

Run on: October 18, 2004, 14:39:39 ; Search time 40 Seconds  
(without alignments)  
348.170 Million cell updates/sec

Perfect score: 1166  
Sequence: 1 MKENVASATVFTLLFLNTC.....KILSHFGQKYLVOVRECKPD 210

Gapop 10.0 , Gapext 0.5

Total number of hits satisfying chosen parameters: 478139

Minimum DB seq length: 0

Post-processing: Minimum Match 0%

LISTING FIRST 43 SUMMARIES

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3: /cgn2_6/ptodata/1/1aa/6A_COMB pep: *
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6: /cgn2_6/ptodata/1/iaa/backfiles1.pep:*
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pred. No. is the number of results predicted by chain score greater than or equal to the score of the result.

Result No.	Score	Query Match	Length	ID	Description
1	1155.5	99.1	349	US-08-806-597A-14	Sequence 14, Appl
2	1155.5	99.1	249	US-08-970-428A-14	Sequence 14, Appl
3	1042.5	89.4	599	US-09-000-145-2	Sequence 2, Appl
4	863.5	74.1	593	US-09-000-145-4	Sequence 4, Appl
5	809.5	68.4	592	US-09-000-145-6	Sequence 6, Appl
6	679.52	59.12	134	US-08-806-597A-8	Sequence 8, Appl
7	679.58	58.2	134	US-08-970-428A-8	Sequence 8, Appl
8	387	33.2	118	US-08-806-597A-4	Sequence 4, Appl
9	387	33.2	118	US-08-970-428A-4	Sequence 4, Appl
10	237	25.5	389	US-09-071-224-25	Sequence 25, Appl
11	237	25.5	389	US-09-071-224-26	Sequence 26, Appl
12	236	25.4	303	US-09-071-224-21	Sequence 21, Appl
13	236	25.4	385	US-09-071-224-20	Sequence 20, Appl
14	236	25.4	388	US-09-071-224-17	Sequence 17, Appl
15	236	25.4	389	US-09-071-224-27	Sequence 27, Appl
16	236	25.4	389	US-09-071-224-31	Sequence 31, Appl
17	236	25.4	422	US-09-071-224-30	Sequence 30, Appl
18	235	25.3	389	US-09-071-224-24	Sequence 24, Appl
19	234	25.2	389	US-09-071-224-24	Sequence 24, Appl
20	234	25.2	389	US-09-071-224-28	Sequence 28, Appl
21	234	25.2	389	US-09-071-224-29	Sequence 29, Appl
22	233	25.1	303	US-09-071-224-23	Sequence 23, Appl
23	233	25.1	389	US-09-071-224-22	Sequence 22, Appl
24	233	25.1	392	US-09-071-224-18	Sequence 18, Appl
25	233	25.1	422	US-09-866-028-32	Sequence 32, Appl
26	233	25.1	422	US-09-944-457-32	Sequence 4, Appl
27	233	25.1	425	US-09-071-224-4	Sequence 4, Appl

QY 61 SLTVHREGTLMHRCPPDYITGGPNSCHFGKQYTSWRTYIMMUNAT-QMGSSFSDELVD 119  
DB 61 SLTVHREGTLMHRCPPDYITGGPNSCHFGKQYTSWRTYIMMUNATQMGSSFSDELVD 120  
QY 120 VTYIVQDPPLLEAVEVKQPEDRKYLMWIKWSPPTLIDLTGWNFTLLYEIRLKPKEAEW 179  
DB 121 VTYIVQDPPLLEAVEVKQPEDRKYLMWIKWSPPTLIDLTGWNFTLLYEIRLKPKEAEW 180  
QY 180 EIHFGAQOTEFKILSLHFGQKYLQVRCRCPD 210  
DB 181 EIHFGAQOTEFKILSLHFGQKYLQVRCRCPD 211

RESULT 2  
US-08-970-428A-14  
; Sequence 14, Application US/08970428A  
; Patent No. 6083753  
; GENERAL INFORMATION:  
; APPLICANT: KELLY, Paul A. and NAGANO, Makoto  
; TITLE OF INVENTION: SOLUBLE HUMAN PROLACTIN RECEPTORS  
; NUMBER OF SEQUENCES: 14  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: BROWDY AND NEIMARK  
; STREET: 419 Seventh Street, N.W., Suite 300  
; CITY: Washington  
; STATE: D.C.  
; COUNTRY: USA  
; ZIP: 20004  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/970,428A  
; FILING DATE: 14-NOV-1997  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 60/012,503  
; FILING DATE: 29-FEB-1996  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US 08/806,597  
; FILING DATE: 26-FEB-1997  
; ATTORNEY/AGENT INFORMATION:  
; NAME: YUN, Allen C.  
; REGISTRATION NUMBER: 37,971  
; REFERENCE/DOCKET NUMBER: KELLY=1B  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 202-628-5197  
; TELEFAX: 202-737-3528  
; INFORMATION FOR SEQ ID NO: 14:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 349 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-08-970-428A-14

Query Match 99.1%; Score 1155.5; DB 3; Length 349;  
Best Local Similarity 99.5%; Pred. No. 2.2e-116;  
Matches 210; Conservative 0; Mismatches 0; Indels 1; Gaps 1;  
QY 1 MKNVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNY 60  
DB 1 MKNVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNY 60  
QY 61 SLTVHREGTLMHRCPPDYITGGPNSCHFGKQYTSWRTYIMMUNAT-QMGSSFSDELVD 119  
DB 61 SLTVHREGTLMHRCPPDYITGGPNSCHFGKQYTSWRTYIMMUNATQMGSSFSDELVD 120  
QY 120 VTYIVQDPPLLEAVEVKQPEDRKYLMWIKWSPPTLIDLTGWNFTLLYEIRLKPKEAEW 179  
DB 121 VTYIVQDPPLLEAVEVKQPEDRKYLMWIKWSPPTLIDLTGWNFTLLYEIRLKPKEAEW 180

QY 180 EIHFGAQOTEFKILSLHFGQKYLQVRCRCPD 210  
DB 181 EIHFGAQOTEFKILSLHFGQKYLQVRCRCPD 211

RESULT 3  
US-09-000-145-2  
; Sequence 2, Application US/09000145  
; Patent No. 6169172  
; GENERAL INFORMATION:  
; APPLICANT: DEVAUCHELLE, Gerard  
; APPLICANT: GARNIER, Laurence  
; APPLICANT: CAHOREAU, Claire  
; APPLICANT: CERUTTI, Martine  
; TITLE OF INVENTION: USE OF A PROLACTIN RECEPTOR OR GROWTH HORMONE RECEPTOR  
; TITLE OF INVENTION: INTRACYTOPLASMIC DOMAIN FOR ACHIEVING PROTEIN SECRETION  
; FILE REFERENCE: 0384-0047-0XPCT  
; CURRENT APPLICATION NUMBER: US/09/000,145  
; CURRENT FILING DATE: 1998-03-16  
; EARLIER APPLICATION NUMBER: PCT/FR96/01237  
; EARLIER FILING DATE: 1996-08-02  
; EARLIER APPLICATION NUMBER: FR 95/09420  
; EARLIER FILING DATE: 1995-08-02  
; NUMBER OF SEQ ID NOS: 6  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 2  
; LENGTH: 599  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-000-145-2

Query Match 89.4%; Score 1042.5; DB 3; Length 599;  
Best Local Similarity 99.5%; Pred. No. 7.6e-104;  
Matches 187; Conservative 0; Mismatches 0; Indels 1; Gaps 1;  
QY 24 GOLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNYSLTVHREGTLMHRCPPDYITGGP 83  
DB 1 GOLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNYSLTVHREGTLMHRCPPDYITGGP 60  
QY 84 NSCHFQKQYTSWRTYIMMUNAT-QMGSSFSDELVDVTYIVQDPPLLEAVEVKQPEDR 142  
DB 61 NSCHFQKQYTSWRTYIMMUNATQMGSSFSDELVDVTYIVQDPPLLEAVEVKQPEDR 120  
QY 143 KPYLWIKWSPPTLIDLTGWNFTLLYEIRLKPKEAEWEIHFAGQOTEFKILSLHFGQKYL 202  
DB 121 KPYLWIKWSPPTLIDLTGWNFTLLYEIRLKPKEAEWEIHFAGQOTEFKILSLHFGQKYL 180  
QY 203 QVVRCKPD 210  
DB 181 QVVRCKPD 188

RESULT 4  
US-09-000-145-4  
; Sequence 4, Application US/09000145  
; Patent No. 6169172  
; GENERAL INFORMATION:  
; APPLICANT: DEVAUCHELLE, Gerard  
; APPLICANT: GARNIER, Laurence  
; APPLICANT: CAHOREAU, Claire  
; APPLICANT: CERUTTI, Martine  
; TITLE OF INVENTION: USE OF A PROLACTIN RECEPTOR OR GROWTH HORMONE RECEPTOR  
; TITLE OF INVENTION: INTRACYTOPLASMIC DOMAIN FOR ACHIEVING PROTEIN SECRETION  
; FILE REFERENCE: 0384-0047-0XPCT  
; CURRENT APPLICATION NUMBER: US/09/000,145  
; CURRENT FILING DATE: 1998-03-16  
; EARLIER APPLICATION NUMBER: PCT/FR96/01237  
; EARLIER FILING DATE: 1996-08-02  
; EARLIER APPLICATION NUMBER: FR 95/09420  
; EARLIER FILING DATE: 1995-08-02  
; NUMBER OF SEQ ID NOS: 6  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 4

LENGTH: 593  
TYPE: PRT  
ORGANISM: Oryctolagus cuniculus  
US-09-000-145-4

Query Match 74.1%; Score 863.5; DB 3; Length 593;  
Best Local Similarity 79.3%; Pred. No. 1.1e-84;  
Matches 149; Conservative 18; Mismatches 20; Indels 1; Gaps 1;

Qy 24 GOLPPGKPEIFKCRSPNKETTCWVRPGTGGGLPTNYSLTVHREGETLMHECPDYITGGP 83  
Db 1 QGSPGKPEIFKCRSPNKETTCWVRPGADGGLPTNVLTYHKEGTTTCECDYKIGGP 60  
Qy 84 NSCHFQKQYTSNWRTYIMVNAT-QMGSSFSDELYVDVTVIVQDPPPLEAVEVKQPEDR 142  
Db 61 NSCVFSKQYTSIWKIYITVNATNQMGSSVSDPRYDVTVIVEPDPVNLTLVKGHPEDR 120  
Qy 143 KPYLWKSPPTLIDLTGWTLLYELRKPEKAAEWEIFHAGQOTEFKILSLHPGOKYL 202  
Db 121 KPYLWKVLPPTLVDVRSGLTLQYELRKPEKAAEWETHFAGQOTQFKILSLYPGOKYL 180  
Qy 203 VQVRCKPD 210  
Db 181 VQVRCKPD 188

RESULT 5  
US-09-000-145-6  
Sequence 6, Application US/09000145  
Patent No. 6169172  
GENERAL INFORMATION:  
APPLICANT: DEVAUCHELLE, Gerrard  
APPLICANT: GARNIER, Laurence  
APPLICANT: CAHOREAU, Claire  
APPLICANT: CERUTTI, Martine  
TITLE OF INVENTION: USE OF A PROLACTIN RECEPTOR OR GROWTH HORMONE RECEPTOR  
TITLE OF INVENTION: INTRACYTOPLASMIC DOMAIN FOR ACHIEVING PROTEIN SECRETION  
FILE REFERENCE: 0384-0047-OXPECT  
CURRENT APPLICATION NUMBER: US/09/000,145  
CURRENT FILING DATE: 1998-03-16  
EARLIER APPLICATION NUMBER: PCT/FR96/01237  
EARLIER FILING DATE: 1996-08-02  
EARLIER APPLICATION NUMBER: FR 95/09420  
EARLIER FILING DATE: 1995-08-02  
NUMBER OF SEQ ID NOS: 6  
SOFTWARE: Patent in Ver. 2.0  
SEQ ID NO 6  
LENGTH: 592  
TYPE: PRT  
ORGANISM: Rattus rattus  
US-09-000-145-6

Query Match 69.4%; Score 809.5; DB 3; Length 592;  
Best Local Similarity 74.5%; Pred. No. 1.1e-78;  
Matches 140; Conservative 19; Mismatches 28; Indels 1; Gaps 1;

Qy 24 GOLPPGKPEIFKCRSPNKETTCWVRPGTGGGLPTNYSLTVHREGETLMHECPDYITGGP 83  
Db 1 QGSPGKPEIFKCRSPNKETTCWVNPNTDGLPTNYSLTYSKEGKTYTCEPDYKISGP 60  
Qy 84 NSCHFQKQYTSNWRTYIMVNAT-QMGSSFSDELYVDVTVIVQDPPPLEAVEVKQPEDR 142  
Db 61 NSCVFSKQYTSIWKIYITVNATNQMGSSVSDPLYVDVTVIVEPEPPRNLTLVKGKLDK 120  
Qy 143 KPYLWKSPPTLIDLTGWTLLYELRKPEKAAEWEIFHAGQOTEFKILSLHPGOKYL 202  
Db 121 KTYLWKVSPPTIDVKTGWTLLYELRKPEEAEWEIHTGHGTQKVPDLYPGOKYL 180  
Qy 203 VQVRCKPD 210  
Db 181 VQVRCKPD 188

RESULT 6  
US-08-806-597A-8  
Sequence 8, Application US/08806597A  
Patent No. 6083714  
GENERAL INFORMATION:  
APPLICANT: KELLY, Paul A. and NAGANO, Makoto  
TITLE OF INVENTION: SOLUBLE HUMAN PROLACTIN RECEPTORS  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BROWDY AND NEIMARK  
STREET: 419 Seventh Street, N.W., Suite 300  
CITY: Washington  
STATE: D.C.  
COUNTRY: USA  
ZIP: 20004  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/806,597A  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 60/012,503  
FILING DATE: 29 February 1996  
ATTORNEY/AGENT INFORMATION:  
NAME: BROWDY, Roger L.  
REGISTRATION NUMBER: 25,618  
REFERENCE/DOCKET NUMBER: KELLY=1A  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 202-628-5197  
TELEFAX: 202-737-3528  
INFORMATION FOR SEQ ID NO: 8:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 134 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-806-597A-8

Query Match 58.2%; Score 679; DB 3; Length 134;  
Best Local Similarity 96.9%; Pred. No. 1.7e-65;  
Matches 125; Conservative 0; Mismatches 0; Indels 4; Gaps 2;

Qy 1 MKENVASATVFTLLFLNTCLLNGQLPPGKPIFKCRSPNKETFTCWWRPGTGGGLPTNY 60  
Db 1 MKENVASATVFTLLFLNTCLLNGQLPPGKPIFKCRSPNKETFTCWWRPGTGGGLPTNY 60  
Qy 61 SLTYHREGETLMHECPDYITGGPNSCHFGKQYTSNWRTYIMVNAT-QMGSSFSDELYVD 119  
Db 61 SLTYHREGETLMHECPDYITGGPNSCHFGKQYTSNWRTYIMVNATNQMGSSFSDELYVD 120  
Qy 120 VTYIVQDPP 128  
Db 121 VTYI---DP 126

RESULT 7  
US-08-970-428A-8  
Sequence 8, Application US/08970428A  
Patent No. 6083753  
GENERAL INFORMATION:  
APPLICANT: KELLY, Paul A. and NAGANO, Makoto  
TITLE OF INVENTION: SOLUBLE HUMAN PROLACTIN RECEPTORS  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: BROWDY AND NEIMARK  
STREET: 419 Seventh Street, N.W., Suite 300  
CITY: Washington  
STATE: D.C.  
COUNTRY: USA

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; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/970,428A
; FILING DATE: 14-NOV-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/012,503
; FILING DATE: 29-FEB-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/806,597
; FILING DATE: 26-FEB-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: YUN, Allen C.
; REGISTRATION NUMBER: 37,971
; REFERENCE/DOCKET NUMBER: KELLY=1B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-628-5197
; TELEFAX: 202-737-3528
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 134 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-970-428A-8

Query Match 58.2%; Score 679; DB 3; Length 134;
Best Local Similarity 96.9%; Pred. No. 1.7e-65;
Matches 125; Conservative 0; Mismatches 0; Indels 4; Gaps 2;

QY 1 MKENVASATVFTLLFLNTCLLNGQLPGKPEIFKCRSPNKETFTCWRRPCTDGLPTNY 60
Db 1 MKENVASATVFTLLFLNTCLLNGQLPGKPEIFKCRSPNKETFTCWRRPCTDGLPTNY 60

QY 61 SLTYHREGTLMHRCPDYITGPNCSCHFGKQYTSMMRTYIMMVNAT-QMGSSFSDELVD 119
Db 61 SLTYHREGTLMHRCPDYITGPNCSCHFGKQYTSMMRTYIMMVNATQMGSSFSDELVD 120

QY 120 VTYIVQDDP 128
Db 121 VTYI---DP 126

RESULT 8
US-08-806-597A-4
; Sequence 4, Application US/08806597A
; Patent No. 6083714
; GENERAL INFORMATION:
; APPLICANT: KELLY, Paul A. and NAGANO, Makoto
; TITLE OF INVENTION: SOLUBLE HUMAN PROLACTIN RECEPTORS
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROWDY AND NEIMARK
; STREET: 419 Seventh Street, N.W., Suite 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/806,597A
; FILING DATE: 26-FEB-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 435
; CLASSIFICATION:
; PRIOR APPLICATION NUMBER: US 60/012,503

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; FILING DATE: 29 February 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: BROWDY, Roger L.
; REGISTRATION NUMBER: 25,618
; REFERENCE/DOCKET NUMBER: KELLY=1A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-628-5197
; TELEFAX: 202-737-3528
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 118 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-806-597A-4

Query Match 33.2%; Score 387; DB 3; Length 118;
Best Local Similarity 95.8%; Pred. No. 4.8e-34;
Matches 69; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 MKENVASATVFTLLFLNTCLLNGQLPGKPEIFKCRSPNKETFTCWRRPCTDGLPTNY 60
Db 1 MKENVASATVFTLLFLNTCLLNGQLPGKPEIFKCRSPNKETFTCWRRPCTDGLPTNY 60

QY 61 SLTYHREGTLM 72
Db 61 SLTYHREGSILL 72

RESULT 9
US-08-970-428A-4
; Sequence 4, Application US/08970428A
; Patent No. 6083753
; GENERAL INFORMATION:
; APPLICANT: KELLY, Paul A. and NAGANO, Makoto
; TITLE OF INVENTION: SOLUBLE HUMAN PROLACTIN RECEPTORS
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROWDY AND NEIMARK
; STREET: 419 Seventh Street, N.W., Suite 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/970,428A
; FILING DATE: 14-NOV-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/012,503
; FILING DATE: 29-FEB-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/806,597
; FILING DATE: 26-FEB-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: YUN, Allen C.
; REGISTRATION NUMBER: 37,971
; REFERENCE/DOCKET NUMBER: KELLY=1B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-628-5197
; TELEFAX: 202-737-3528
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 118 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-970-428A-4

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Query Match      33.2%; Score 387; DB 3; Length 118;
Best Local Similarity 95.8%; Pred. No. 4.8e-34;
Matches 69; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 MKNVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKEFTTCWRRCGTGGLEPTNY 60
      |||||
Db 1 MKNVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKEFTTCWRRCGTGGLEPTNY 60
      |||||

QY 61 SLTYHREGETIM 72
      |||||
Db 61 SLTYHREGSILL 72
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	Query Match	25.5%	Score 297;	DB 3;	Length 389;
	Best Local Similarity	38.0%;	Pred. No. 1.3e-23;		
	Matches	76;	Conservative 27;	Mismatches 85;	Indels 12; Gaps 8
QY	15	LFLNTCLNGOIPPGKPELFCRSPNKETFTTCWRPGTDGG--LPNTSLYTVHREGETLM	72		
Db	86	TLAGSLVYVG-LPPEKPVNISQSKNMKDLTCRTWFGAETFTLHTNYSKLRLWYGD	144		
QY	73	HECPDYITGGNSCFHGKQYTSWMRTYIMMNAAT-QMGSSFSDELYVDVYTVIQDPDPLE	131		

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Db      145 NTCEDYHTVGPCHSCHKD-LALFTEVEIWEATNRLGSARSDVLTLDLIDVVTTDPDPD 203
Qy      132 LAV-EVKQEDRKPYLWIKWSPTLLDLTKGTWETLLLYEHLKPEKAWE-IHFAGOOE 189
Db      204 VHSYRSRGGLDQSLSRVW--SPALKDF----LFQAKYQIRYRVEDSVDMKVVDVSNTS 258
Qy      190 FKILSLHPGQKYLVOVRCKP 209
Db      259 CRLAGLKPGTVTFVQVRCNP 278

RESULT 11
US-09-071-224-26
; Sequence 26, Application US/09071224
; Patent No. 6271343
; GENERAL INFORMATION:
; APPLICANT: Lok, Si
; APPLICANT: Presnell, Scott R.
; APPLICANT: Jelmberg, Anna C.
; APPLICANT: Gilbert, Teresa
; APPLICANT: Foster, Donald C.
; APPLICANT: Adams, Robyn L.
; APPLICANT: Lehner, Joyce M.
; TITLE OF INVENTION: MAMMALIAN ZCYTOR5
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ZymoGenetics
; STREET: 1201 Eastlake Ave East
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98102
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/071,224
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Lunz, Paul G
; REGISTRATION NUMBER: 32,743
; REFERENCE/DOCKET NUMBER: 96-22
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 206-442-6627
; TELEFAX: 206-442-6678
; TELEX:
; INFORMATION FOR SEQ ID NO: 26:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 389 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-071-224-26

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Query Match	25.5%	Score	297	DB	3	Length	389
Best Local Similarity	38.0%	Fred. No.	1.3e-23				
Matches	76	Conservative	27	Mismatches	85	Indels	12
						Gaps	8
QY	15	LFLNTCLANGOLPPKPKPEIKCRSNKKTFTTCWTRPGTDGG--	LTNYSLTYHREGETLM	72			
DB	86	ILAGSLVVG-LPPEKPVNISCSWKNKDLTCRWTFGAHGETFLHNYSLKYLKLRVYGQD	144				
QY	73	HBCPDYITGGPNSCFHGKQYTSMMWRYTIMVNNAT-QMGSSFDELYVDVYIIVQPPPPLE	131				
DB	145	NTCESVHTVGRPSCHIPKDLT-LFYPYELWVETNRLGSGARDVLTLDLVVTTDPPPP	203				

Db 204 VHSVVGGLDQLSRWV--SPPALKDF---LFAQKQIRYRVEDSVDMKVVDVDSNQTS 256

Qy 190 FKILSLHPGQKYLQVORCKP 209  
::||| | |||||

Db 259 CELAGLKPGTWFVQVRCNP 278

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, RESULT 13
, US-09-071-224-20
, Sequence 20, Application US/09071224
, Patent No. 6271343
, GENERAL INFORMATION:
, APPLICANT: Lok, Si
, APPLICANT: Pressnell, Scott R.
, APPLICANT: Jelmberg, Anna C.
, APPLICANT: Gibert, Teresa
, APPLICANT: Foster, Donald C.
, APPLICANT: Adams, Robyn L.
, APPLICANT: Lehner, Joyce M.
, TITLE OF INVENTION: MAMMALIAN ZCYTORS
, NUMBER OF SEQUENCES: 37
, CORRESPONDENCE ADDRESS:
, ADDRESSEE: Zymogenetics
, STREET: 1201 Eastlake Ave East
, CITY: Seattle
, STATE: WA
, COUNTRY: USA
, Zip: 98102

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; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/071.224

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1 CLASSIFICATION:
2
3 PRIOR APPLICATION DATA:
4 APPLICATION NUMBER:
5 FILING DATE:
6
7 ATTORNEY/AGENT INFORMATION:
8
9 NAME: Luna, Paul G
10 REGISTRATION NUMBER: 32,743
11 REFERENCE/DOCKET NUMBER: 96-22
12
13 TELECOMMUNICATION INFORMATION:
14 TELEPHONE: 206-442-6627
15 TELEFAX: 206-442-6678
16
17 TELEX:
18
19 INFORMATION FOR SEQ ID NO: 20:
20
21 SEQUENCE CHARACTERISTICS:
22 LENGTH: 395 amino acids
23 TYPE: amino acid
24 STRANDEDNESS: single
25 TOPOLOGY: linear
26
27 MOLECULE TYPE: protein
28
29 US-09-071-224-20

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Query Match 25.4%; Score 296; DB 3; Length 385;  
Best Local Similarity 38.0%; Pred. No. 1.7e-23;  
Matches 76; Conservative 27; Mismatches 8; Indels 12; Gaps 8;  
15 LEFNTCLINGOLPPGKPEFKCRSPKKEFTFCWPPGTDG-1PTNYSTNVHREGHTLM 72

86	ILAGSCLYVG-LPPEKPVNISCSKNKDLTCRWTFGALGETFLHTNYSLSKYLRFVGGD	144
73	HECPDYITGGPNSCHFQKQYTSWRTYIIMVNAI-QMGSSFSDELXVDVTYIVQDPDPLE	131
145	NTCEYHTVGHPSCHIPKD-LALFPTYEIWEATNLGARSODVLTLDILDVVTTDPPPE	203
132	LAV-EVKQPEDRPYLIWIKWSPPTLLDLKTGWFTLLYEIRLPEKAAEWE-IHFAGQOTE	189
204	VHYSRVGLEDQSVRAWV--SPALKDFA--LFQAKYQIRYRVESDVKWVDVDSNQT	258



Tue Oct 19 09:32:28 2004

us-10-029-079-3.ra1

Page 8

Search completed: October 18, 2004, 14:49:30  
Job time : 46 secs



GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: October 18, 2004, 14:48:09 ; Search time 127 Seconds

(without alignments)  
534.622 Million cell updates/sec

Title: US-10-029-079-3

Perfect score: 1166

Sequence: 1 MKENVASATVFTLLFLNTCL

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1360919 seqs, 32331874 residues

Total number of hits satisfying chosen parameters: 1360919

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database : Published Applications AA:\*

1: /cgn2\_6/ptodata/2/pubpaa/US07\_PUBCOMB.pap:\*

2: /cgn2\_6/ptodata/2/pubpaa/PCT\_NEW\_PUB.pap:\*

3: /cgn2\_6/ptodata/2/pubpaa/US06\_PUBCOMB.pap:\*

4: /cgn2\_6/ptodata/2/pubpaa/US06\_PUBCOMB.pap:\*

5: /cgn2\_6/ptodata/2/pubpaa/US07\_NEW\_PUB.pap:\*

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10: /cgn2\_6/ptodata/2/pubpaa/US09\_PUBCOMB.pap:\*

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12: /cgn2\_6/ptodata/2/pubpaa/US09\_NEW\_PUB.pap:\*

13: /cgn2\_6/ptodata/2/pubpaa/US10\_PUBCOMB.pap:\*

14: /cgn2\_6/ptodata/2/pubpaa/US10\_PUBCOMB.pap:\*

15: /cgn2\_6/ptodata/2/pubpaa/US10\_PUBCOMB.pap:\*

16: /cgn2\_6/ptodata/2/pubpaa/US10\_PUBCOMB.pap:\*

17: /cgn2\_6/ptodata/2/pubpaa/US10\_NEW\_PUB.pap:\*

18: /cgn2\_6/ptodata/2/pubpaa/US10\_NEW\_PUB.pap:\*

19: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pap:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1166	100.0	210	13	US-10-029-079-3
2	1155.5	99.1	622	14	US-10-177-293-373
3	1155.5	99.1	622	14	US-10-295-027-112
4	1155.5	99.1	622	14	US-10-295-027-744
5	1155.5	99.1	622	15	US-10-058-270A-40
6	987	84.6	597	15	US-10-287-971-74
7	297	25.5	389	9	US-09-880-578-25
8	297	25.5	389	9	US-09-880-578-26
9	296	25.4	303	9	US-09-880-578-21
10	296	25.4	385	9	US-09-880-578-20
11	296	25.4	388	9	US-09-880-578-17
12	296	25.4	389	9	US-09-880-578-27
13	296	25.4	389	9	US-09-880-578-31
14	296	25.4	422	9	US-09-880-578-2

15	295	25.3	389	9	US-09-880-578-30	Sequence 30, Appl
16	294	25.2	389	9	US-09-880-578-24	Sequence 24, Appl
17	294	25.2	389	9	US-09-880-578-28	Sequence 28, Appl
18	294	25.2	389	9	US-09-880-578-29	Sequence 29, Appl
19	293	25.1	303	9	US-09-880-578-23	Sequence 23, Appl
20	293	25.1	350	9	US-09-037-657-25	Sequence 22, Appl
21	293	25.1	389	9	US-09-880-578-22	Sequence 18, Appl
22	293	25.1	392	9	US-09-880-578-18	Sequence 2, Appl
23	293	25.1	404	14	US-10-252-958-2	Sequence 4, Appl
24	293	25.1	410	14	US-10-247-463-4	Sequence 12, Appl
25	293	25.1	410	17	US-10-778-002-12	Sequence 44, Appl
26	293	25.1	421	9	US-09-037-657-44	Sequence 32, Appl
27	293	25.1	422	9	US-09-866-028-32	Sequence 32, Appl
28	293	25.1	422	9	US-09-944-449-32	Sequence 32, Appl
29	293	25.1	422	9	US-09-944-457-32	Sequence 32, Appl
30	293	25.1	422	9	US-09-944-862-32	Sequence 32, Appl
31	293	25.1	422	9	US-09-945-587-32	Sequence 32, Appl
32	293	25.1	422	9	US-09-945-015-32	Sequence 32, Appl
33	293	25.1	422	9	US-09-944-396-32	Sequence 32, Appl
34	293	25.1	422	9	US-09-944-097-32	Sequence 32, Appl
35	293	25.1	422	9	US-09-944-432-32	Sequence 32, Appl
36	293	25.1	422	9	US-09-943-762-32	Sequence 32, Appl
37	293	25.1	422	9	US-09-944-654-32	Sequence 32, Appl
38	293	25.1	422	9	US-09-943-851A-32	Sequence 32, Appl
39	293	25.1	422	9	US-09-944-413-32	Sequence 32, Appl
40	293	25.1	422	9	US-09-944-403-32	Sequence 32, Appl
41	293	25.1	422	9	US-09-944-896-32	Sequence 32, Appl
42	293	25.1	422	9	US-09-944-944-32	Sequence 32, Appl
43	293	25.1	422	9	US-09-944-929-32	Sequence 32, Appl
44	293	25.1	422	9	US-09-944-907-32	Sequence 32, Appl
45	293	25.1	422	10	US-09-944-884-32	Sequence 32, Appl

ALIGNMENTS

RESULT 1

US-10-029-079-3

Sequence 3, Application US/10029079

Publication No. US20020119154A1

GENERAL INFORMATION:

APPLICANT: Kline, J. Bradford

APPLICANT: Cleverger, Charles V

TITLE OF INVENTION: Composition and Method for Modulating Somatolactogenic Function

FILE REFERENCE: PENN-0795

CURRENT APPLICATION NUMBER: US/10/029,079

CURRENT FILING DATE: 2001-12-21

PRIOR APPLICATION NUMBER: 60/258,285

PRIOR FILING DATE: 2000-12-22

NUMBER OF SEQ ID NOS: 4

SOFTWARE: PatenIn version 3.1

SEQ ID NO 3

LENGTH: 210

TYPE: PRT

ORGANISM: Homo sapien

US-10-029-079-3

Query Match	100.0%	Score 1166	DB 13	Length 210
Best Local Similarity	100.0%	Pred. No. 6.5e-104	Indels 0	Gaps 0
Matches 210	Conservative 0	Mismatches 0		
QY	1	MXENVASATVFTLLFLNTCLLNGQLPGKPIFKCRSPNKETFTCWRRPGTDGGLPTNY	60	
Db	1	MXENVASATVFTLLFLNTCLLNGQLPGKPIFKCRSPNKETFTCWRRPGTDGGLPTNY	60	
QY	61	SUTYHREGTLMHECPDYITGPNCHFGKQYTSWRYIMVNAATQSGSSFSDLYVDV	120	
Db	61	SUTYHREGTLMHECPDYITGPNCHFGKQYTSWRYIMVNAATQSGSSFSDLYVDV	120	
QY	121	TTIVQDPPELEAVEVKQPEDKPYLWIKWSPTTIDLTGTFWTLLEYRLKPEKAAWE	180	
Db	121	TTIVQDPPELEAVEVKQPEDKPYLWIKWSPTTIDLTGTFWTLLEYRLKPEKAAWE	180	

[illegible]

## RESULT 2

US-10-177-293-373  
; Sequence 373, Application US/10177293  
; Publication No. US20030124128A1

GENERAL INFORMATION:

APPLICANT: Lillis, James  
APPLICANT: Glatt, Karen  
APPLICANT: Zhao, Xumel  
APPLICANT: Ganavaru, Manjula  
APPLICANT: Kamatkar, Shubhangi  
APPLICANT: Mertens, Maureen  
APPLICANT: Myer, Vic  
APPLICANT: Wang, Youzhen  
APPLICANT: Xu, Yongyao  
APPLICANT: Hoersch, Sebastian  
APPLICANT: Monahan, John  
APPLICANT: Meyers, Rachel E.  
APPLICANT: Bast Jr., Robert C.  
APPLICANT: Hortobagyi, Gabriel N.  
APPLICANT: Pustai, Lajos  
APPLICANT: Meric, Funda  
APPLICANT: Sahin, Aysegul  
APPLICANT: Mills, Gordon B.

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Query Match          99.1%; Score 1155.5; DB 14; Length 622;
Best Local Similarity 99.5%; Pred. No. 2.4e-102;
Matches 210; Conservative 0; Mismatches 0; Indels 1; Gaps 1;
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61 SLTYHREGETLMHECPDVIITGGPNSCHFGKQYTSMRPTYIMVNAT-OMGSSFSDELYVD 119 QY

120 VTYIVQDPDPLELAVEVKQPEDRKPYLWIKWSPPTLIDLKTGWFTLLYEIRLKPEKAAEW 179 QY

180. EIHFAQQTEFKILSLHPGQKYLQVRCKPD 210 QY

### RESULT 3

US-10-295-027-112  
; Sequence 112, Application US/10295027  
; Publication No. US20030232350A1

/ GENERAL INFORMATION:  
 / APPLICANT: Afar, Daniel  
 / APPLICANT: Aziz, Natasha  
 / APPLICANT: Ginsberg, Wendy M.  
 / APPLICANT: Gish, Kurt C.  
 / APPLICANT: Glynn, Richard  
 / APPLICANT: Hevezi, Peter A.  
 / APPLICANT: Mack, David H.  
 / APPLICANT: Murray, Richard  
 / APPLICANT: Watson, Susan R.  
 / APPLICANT: Eos Biotechnology, Inc.

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Query Match      99.1%; Score 1155.5; DB 14; Length 622; .
Best Local Similarity 99.5%; Pred. No. 2.4e-102;
Matches 210: Conservative 0; Mismatches 0; Indels 1; Gaps 1;
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61 SLTYHREGENTMHECPDYITGGPN SCHFGKOVTSMWR TYIMVNAT-OMGSSFSDELYVD 119

120 VTYIVQDPPIELAVEVKQPEDRKPYLWIKNSPPTLIDLKTGWFTLLYEIRLKPKEAAEW 179 Qy

Qy 180 EIHFAQQTEFKILSLHPGQKYLQVRCKPD 210

RESISTANCE

RESUL 4  
US-10-295-027-744

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; Sequence 744, Application US/10295027
; Publication No. US20030232350A1
; GENERAL INFORMATION:
; APPLICANT: Afar, Daniel
; APPLICANT: Aziz, Nacasha
; APPLICANT: Ginsberg, Wendy M.
; APPLICANT: Gish, Kurt C.
; APPLICANT: Glynn, Richard
; APPLICANT: Hevesi, Peter A.
; APPLICANT: Mack, David H.
; APPLICANT: Murray, Richard
; APPLICANT: Watson, Susan R.
; APPLICANT: Eos Biotechnology, Inc.
; TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
; TITLE OF INVENTION: Methods of Screening for Modulators of Cancer
; FILE REFERENCE: 018501-012500US
; CURRENT APPLICATION NUMBER: US/10/295,027
; PRIOR FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: US 09/663,733
; PRIOR FILING DATE: 2000-09-15
; PRIOR APPLICATION NUMBER: US 60/350,666
; PRIOR FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: US 60/335,394
; PRIOR FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: US 60/332,464
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: US 60/334,393
; PRIOR FILING DATE: 2001-11-29
; PRIOR APPLICATION NUMBER: US 60/340,376
; PRIOR FILING DATE: 2001-12-14
; PRIOR APPLICATION NUMBER: US 60/347,211
; PRIOR FILING DATE: 2002-01-08
; PRIOR APPLICATION NUMBER: US 60/347,349
; PRIOR FILING DATE: 2002-01-10
; PRIOR APPLICATION NUMBER: US 60/355,250
; PRIOR FILING DATE: 2002-02-08
; PRIOR APPLICATION NUMBER: US 60/356,714
; PRIOR FILING DATE: 2002-02-13
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1386
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 744
; LENGTH: 622
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-295-027-744

Query Match          99.1%; Score 1155.5; DB 14; Length 622;
Best Local Similarity 99.5%; Pred. No. 2.4e-102;
Matches 210; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

Qy 1 MKENVASATVETLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTGGGLPTNY 60
Db 1 MKENVASATVETLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTGGGLPTNY 60

Qy 61 SLTYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMVNNAT-QMGSSFSDELVD 119
Db 61 SLTYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMVNNATQMGSSFSDELVD 120

Qy 120 VTYIVQDPDPLEAVEVQKPEDRPYLWIKWSPPTLIDLTGCTFTLLYEIRLKPEKAAEW 179
Db 121 VTYIVQDPDPLEAVEVQKPEDRPYLWIKWSPPTLIDLTGCTFTLLYEIRLKPEKAAEW 180

Qy 180 EIHFAGQOTEFKILSLHPGQKYLQVRCRCPD 210
Db 181 EIHFAGQOTEFKILSLHPGQKYLQVRCRCPD 211

RESULT 5
US-10-058-270A-40
; Sequence 40, Application US/10058270A
; Publication No. US20040029114A1
; GENERAL INFORMATION:
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; APPLICANT: Mack, David H.
; APPLICANT: Gish, Kurt C.
; APPLICANT: Afar, Daniel
; APPLICANT: Eos Biotechnology, Inc.
; TITLE OF INVENTION: Methods of Diagnosis of Breast Cancer, Compositions and
; TITLE OF INVENTION: Methods of Screening for Modulators of Breast Cancer
; FILE REFERENCE: 018501-005210US
; CURRENT APPLICATION NUMBER: US/10/058,270A
; PRIOR FILING DATE: 2002-01-24
; PRIOR APPLICATION NUMBER: US 60/263,965
; PRIOR FILING DATE: 2001-01-24
; PRIOR APPLICATION NUMBER: US 60/265,928
; PRIOR FILING DATE: 2001-02-02
; PRIOR APPLICATION NUMBER: US 09/829,472
; PRIOR FILING DATE: 2001-04-09
; PRIOR APPLICATION NUMBER: US 60/282,698
; PRIOR FILING DATE: 2001-04-09
; PRIOR APPLICATION NUMBER: US 60/288,590
; PRIOR FILING DATE: 2001-05-04
; PRIOR APPLICATION NUMBER: US 60/294,443
; PRIOR FILING DATE: 2001-05-29
; NUMBER OF SEQ ID NOS: 141
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 40
; LENGTH: 622
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-058-270A-40

Query Match          99.1%; Score 1155.5; DB 15; Length 622;
Best Local Similarity 99.5%; Pred. No. 2.4e-102;
Matches 210; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

Qy 1 MKENVASATVETLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTGGGLPTNY 60
Db 1 MKENVASATVETLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTGGGLPTNY 60

Qy 61 SLTYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMVNNAT-QMGSSFSDELVD 119
Db 61 SLTYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMVNNATQMGSSFSDELVD 120

Qy 120 VTYIVQDPDPLEAVEVQKPEDRPYLWIKWSPPTLIDLTGCTFTLLYEIRLKPEKAAEW 179
Db 121 VTYIVQDPDPLEAVEVQKPEDRPYLWIKWSPPTLIDLTGCTFTLLYEIRLKPEKAAEW 180

Qy 180 EIHFAGQOTEFKILSLHPGQKYLQVRCRCPD 210
Db 181 EIHFAGQOTEFKILSLHPGQKYLQVRCRCPD 211

RESULT 6
US-10-287-971-74
; Sequence 74, Application US/10287971
; Publication No. US20040067882A1
; GENERAL INFORMATION:
; APPLICANT: Alsobrook, et al
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHO
; FILE REFERENCE: 21402-480A
; CURRENT APPLICATION NUMBER: US/10/287,971
; CURRENT FILING DATE: 2002-11-05
; PRIOR APPLICATION NUMBER: 09/997,425
; PRIOR FILING DATE: 2001-11-29
; PRIOR APPLICATION NUMBER: 10/035,568
; PRIOR FILING DATE: 2001-10-22
; PRIOR APPLICATION NUMBER: 60/338,626
; PRIOR FILING DATE: 2001-11-05
; PRIOR APPLICATION NUMBER: 60/401,479
; PRIOR FILING DATE: 2002-08-06
; PRIOR APPLICATION NUMBER: 60/333,072
; PRIOR FILING DATE: 2001-11-06
; PRIOR APPLICATION NUMBER: 60/348,283
; PRIOR FILING DATE: 2001-11-09
; PRIOR APPLICATION NUMBER: 60/393,262
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; PRIOR FILING DATE: 2002-07-02
; PRIOR APPLICATION NUMBER: 60/406,181
; PRIOR FILING DATE: 2002-08-26
; NUMBER OF SEQ ID NOS: 397
; SOFTWARE: CuraSeqList version 0.1
; SEQ ID NO 74
; LENGTH: 597
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-287-971-74

Query Match      84.6%; Score 987; DB 15; Length 597;
Best Local Similarity 87.7%; Pred. No. 3.7e-86;
Matches 185; Conservative 0; Mismatches 0; Indels 26; Gaps 2;

QY 1 MKNVASATVTLFLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGLPTNY 60
DB 1 MKNVASATVTLFLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGLPT-- 58
QY 61 SLTVHREGETLMHCEPDYITGGPNCHFGKQYTSMMRTYIMVNAT--QMGSSFSDELVD 119
DB 59 -----NSCHFGKQYTSMMRTYIMVNATNQMGSSFSDELVD 95
QY 120 VTYIVQDPPPLEAVEVKQPEDRKPYLWKSPPTLIDLKTGFTLLYEIRLKPKEAAEW 179
DB 96 VTYIVQDPPPLEAVEVKQPEDRKPYLWKSPPTLIDLKTGFTLLYEIRLKPKEAAEW 155
QY 180 EHFAGQOTEFKILSLHPGQKYLVOVRCKPD 210
DB 156 EHFAGQOTEFKILSLHPGQKYLVOVRCKPD 186

RESULT 7
US-09-880-578-25
; Sequence 25, Application US/09880578
; Patent No. US20020045733A1
; GENERAL INFORMATION:
; APPLICANT: Lok, Si
; Presnell, Scott R.
; Jelmsberg, Anna C.
; Gilbert, Teresa
; Foster, Donald C.
; Adams, Robyn L.
; Lehner, Joyce M.
TITLE OF INVENTION: MAMMALIAN ZCYTORS
NUMBER OF SEQUENCES: 37
CORRESPONDENCE ADDRESS:
ADDRESSEE: Zymogenetics
STREET: 1201 Eastlake Ave East
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98102
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/880,578
FILING DATE: 13-Jun-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: <Unknown>
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Lunn, Paul G
REGISTRATION NUMBER: 32,743
REFERENCE/DOCKET NUMBER: 96-22
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206-442-6627
TELEFAX: 206-442-6678
TELEX: <Unknown>

; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 389 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 25:
US-09-880-578-25

Query Match      25.5%; Score 297; DB 9; Length 389;
Best Local Similarity 38.0%; Pred. No. 5e-20;
Matches 76; Conservative 27; Mismatches 85; Indels 12; Gaps 8;

QY 15 LFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDG--LPTNYSLYHREGTLM 72
DB 86 ILAGSCLYVG-LPPEKPNVISCWSKNKDLTCRWTPGAHGETFLHTNYSKYLKRWYQD 144
QY 73 HECPDYITGGPNCHFGKQYTSMMRTYIMVNAT--QMGSSFSDELVDYIVQDPPLE 131
DB 145 NTCEDYITGVPHSCHIPRD-LALFTPYEIWVEATNRGARSVDLTJULDVTDDPPD 203
QY 132 LAV-EVKQPEDRKPYLWKSPPTLIDLKTGFTLLYEIRLKPKEAAEW-EHFAGQOTE 189
DB 204 VHSRVGGLDQLSVRWV--SPPALKDPF---LFOAKYQIRYRVEDSVDMKVVDSVNSQTS 258
QY 190 FKILSLHPGQKYLVOVRCKP 209
DB 259 CRLAGLKPGTVYFVQVRCNP 278

RESULT 8
US-09-880-578-26
; Sequence 26, Application US/09880578
; Patent No. US20020045733A1
; GENERAL INFORMATION:
; APPLICANT: Lok, Si
; Presnell, Scott R.
; Jelmsberg, Anna C.
; Gilbert, Teresa
; Foster, Donald C.
; Adams, Robyn L.
; Lehner, Joyce M.
TITLE OF INVENTION: MAMMALIAN ZCYTORS
NUMBER OF SEQUENCES: 37
CORRESPONDENCE ADDRESS:
ADDRESSEE: Zymogenetics
STREET: 1201 Eastlake Ave East
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98102
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/880,578
FILING DATE: 13-Jun-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: <Unknown>
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Lunn, Paul G
REGISTRATION NUMBER: 32,743
REFERENCE/DOCKET NUMBER: 96-22
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206-442-6627
TELEFAX: 206-442-6678
TELEX: <Unknown>

; INFORMATION FOR SEQ ID NO: 26:
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SEQUENCE CHARACTERISTICS:  
LENGTH: 303 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
SEQUENCE DESCRIPTION: SEQ ID NO: 21:  
US-09-880-578-21

Query Match 25.4%; Score 296; DB 9; Length 303;  
Best Local Similarity 38.0%; Pred. No. 4.7e-20;  
Matches 76; Conservative 27; Mismatches 85; Indels 12; Gaps 8;

QY 15 LFLNTCLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGG--LPTNYSLYHREGETLM 72  
DB 86 ILAGSCLVYG-LPPEKPVNISCSKMKDLTCRWTPGAHGETFLHNTYSLKYKLRWYQGD 144  
QY 73 HECPDYITGGNSCHFGKQYTSMTWTYIMVNAT-QMGSSFSDELYVDVTYIVQDPPLE 131  
DB 145 NTCSEYHTVGHPSCHIPKD-LALFTPYEIWEATNRLGSARSDVLTDLIDVVTDDPPPE 203  
QY 132 LAV-EVQKPEDRKPYLWKWSPTTLDLKTGWFTLLYEIRLKEKAAEWE-IHFAGQOTE 189  
DB 204 VHSRVGLEDQLSVRWV--SPPALKDF---LFOAKYQIRYRVEDSDVKVVDVDSNQT 258  
QY 190 FKLSLHPGQKYLQVRCRP 209  
DB 259 CRLAGLKPGTVYFVQVRCNP 278

RESULT 10  
US-09-880-578-20  
; Sequence 20, Application US/09880578  
; Patent No. US20020045733A1  
; GENERAL INFORMATION:  
; APPLICANT: Lok, Si  
; Presnell, Scott R.  
; Jelmeberg, Anna C.  
; Gilbert, Teresa  
; Foster, Donald C.  
; Adams, Robyn L.  
; Lehner, Joyce M.  
; TITLE OF INVENTION: MAMMALIAN ZCYTORS  
; NUMBER OF SEQUENCES: 37  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Zymogenetics  
; STREET: 1201 Eastlake Ave East  
; CITY: Seattle  
; STATE: WA  
; COUNTRY: USA  
; ZIP: 98102  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSEQ for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/880,578  
; FILING DATE: 13-Jun-2001  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: <Unknown>  
; FILING DATE: <Unknown>  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Lunn, Paul G  
; REGISTRATION NUMBER: 32,743  
; REFERENCE/DOCKET NUMBER: 96-22  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 206-442-6627  
; TELEFAX: 206-442-6678  
; TELEX: <Unknown>  
; INFORMATION FOR SEQ ID NO: 20:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 385 amino acids

SEQUENCE CHARACTERISTICS:  
LENGTH: 389 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
SEQUENCE DESCRIPTION: SEQ ID NO: 26:  
US-09-880-578-26

Query Match 25.5%; Score 297; DB 9; Length 389;  
Best Local Similarity 38.0%; Pred. No. 5e-20;  
Matches 76; Conservative 27; Mismatches 85; Indels 12; Gaps 8;

QY 15 LFLNTCLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGG--LPTNYSLYHREGETLM 72  
DB 86 ILAGSCLVYG-LPPEKPVNISCSKMKDLTCRWTPGAHGETFLHNTYSLKYKLRWYQGD 144  
QY 73 HECPDYITGGNSCHFGKQYTSMTWTYIMVNAT-QMGSSFSDELYVDVTYIVQDPPLE 131  
DB 145 NTCSEYHTVGHPSCHIPKD-LALFTPYEIWEATNRLGSARSDVLTDLIDVVTDDPPPD 203  
QY 132 LAV-EVQKPEDRKPYLWKWSPTTLDLKTGWFTLLYEIRLKEKAAEWE-IHFAGQOTE 189  
DB 204 VHSRVGLEDQLSVRWV--SPPALKDF---LFOAKYQIRYRVEDSDVKVVDVDSNQT 258  
QY 190 FKLSLHPGQKYLQVRCRP 209  
DB 259 CRLAGLKPGTVYFVQVRCNP 278

RESULT 9  
US-09-880-578-21  
; Sequence 21, Application US/09880578  
; Patent No. US20020045733A1  
; GENERAL INFORMATION:  
; APPLICANT: Lok, Si  
; Presnell, Scott R.  
; Jelmeberg, Anna C.  
; Gilbert, Teresa  
; Foster, Donald C.  
; Adams, Robyn L.  
; Lehner, Joyce M.  
; TITLE OF INVENTION: MAMMALIAN ZCYTORS  
; NUMBER OF SEQUENCES: 37  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Zymogenetics  
; STREET: 1201 Eastlake Ave East  
; CITY: Seattle  
; STATE: WA  
; COUNTRY: USA  
; ZIP: 98102  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSEQ for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/880,578  
; FILING DATE: 13-Jun-2001  
; CLASSIFICATION: <Unknown>  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: <Unknown>  
; FILING DATE: <Unknown>  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Lunn, Paul G  
; REGISTRATION NUMBER: 32,743  
; REFERENCE/DOCKET NUMBER: 96-22  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 206-442-6627  
; TELEFAX: 206-442-6678  
; TELEX: <Unknown>  
; INFORMATION FOR SEQ ID NO: 21:  
; SEQUENCE CHARACTERISTICS:

TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
SEQUENCE DESCRIPTION: SEQ ID NO: 20:  
US-09-880-578-20

Query Match 25.4%; Score 296; DB 9; Length 385;  
Best Local Similarity 38.0%; Pred. No. 6.2e-20;  
Matches 76; Conservative 27; Mismatches 85; Indels 12; Gaps 8;

QY 15 LFLNTCLNGOLPPGKPEIFKCRSPNKETFTCWRPDTGG--LPTNYSLTYYHREGTLM 72  
DB 86 ILAGSCLVVG-LPPEKPNVISCWSKNMKDLTCRWTPGAHGETFLHTNYSKYLRLWYQD 144  
QY 73 HECPDYITGGNSCHFGKQYTMRTYIMYNAT-QMGSSFSDELYVDVTYIVQPPPLE 131  
DB 145 NICEYHTVGHSHCHIPKD-LALFTPYEIVWEATNRLGSAKSDVLTLDILDVTTDPPPE 203  
QY 132 LAV-EVKQPEDRKPYLWKSPPTLIDLKTGWFTLLYEIRLKPEKAAEWE-IHFAGQOTE 189  
DB 204 VHVSRVGGLEDQLSVRWV--SPPALKDF---LFOAKYQIRYRVEDSVDMKVVDDVSNQIS 258  
QY 190 PKILSLHPGQKYLQVRCCKP 209  
DB 259 CRLAGLXPGTYVYFVQVRCNP 278

RESULT 11  
US-09-880-578-17  
Sequence 17, Application US/09880578  
Patent No. US20020045733A1  
GENERAL INFORMATION:  
APPLICANT: Lok, Si  
Presnell, Scott R.  
Jelmsberg, Anna C.  
Gilbert, Teresa  
Foster, Donald C.  
Adams, Robyn L.  
Lehner, Joyce M.  
TITLE OF INVENTION: MAMMALIAN ZCYTORS  
NUMBER OF SEQUENCES: 37  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Zymogenetics  
STREET: 1201 Eastlake Ave East  
CITY: Seattle  
STATE: WA  
COUNTRY: USA  
ZIP: 98102  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSEQ for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/880,578  
FILING DATE: 13-Jun-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: <Unknown>  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Lunn, Paul G  
REGISTRATION NUMBER: 32,743  
REFERENCE/DOCKET NUMBER: 96-22  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 206-442-6627  
TELEFAX: 206-442-6678  
INFORMATION FOR SEQ ID NO: 17:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 368 amino acids  
TYPE: amino acid

STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
SEQUENCE DESCRIPTION: SEQ ID NO: 17:  
US-09-880-578-17

Query Match 25.4%; Score 296; DB 9; Length 388;  
Best Local Similarity 38.0%; Pred. No. 6.3e-20;  
Matches 76; Conservative 27; Mismatches 85; Indels 12; Gaps 8;

QY 15 LFLNTCLNGOLPPGKPEIFKCRSPNKETFTCWRPDTGG--LPTNYSLTYYHREGTLM 72  
DB 89 ILAGSCLVVG-LPPEKPNVISCWSKNMKDLTCRWTPGAHGETFLHTNYSKYLRLWYQD 147  
QY 73 HECPDYITGGNSCHFGKQYTMRTYIMYNAT-QMGSSFSDELYVDVTYIVQDPDPLE 131  
DB 148 NICEYHTVGHSHCHIPKD-LALFTPYEIVWEATNRLGSAKSDVLTLDILDVTTDPPPE 206  
QY 132 LAV-EVKQPEDRKPYLWKSPPTLIDLKTGWFTLLYEIRLKPEKAAEWE-IHFAGQOTE 189  
DB 207 VHVSRVGGLEDQLSVRWV--SPPALKDF---LFOAKYQIRYRVEDSVDMKVVDDVSNQIS 261  
QY 190 PKILSLHPGQKYLQVRCCKP 209  
DB 262 CRLAGLXPGTYVYFVQVRCNP 281

RESULT 12  
US-09-880-578-27  
Sequence 27, Application US/09880578  
Patent No. US20020045733A1  
GENERAL INFORMATION:  
APPLICANT: Lok, Si  
Presnell, Scott R.  
Jelmsberg, Anna C.  
Gilbert, Teresa  
Foster, Donald C.  
Adams, Robyn L.  
Lehner, Joyce M.  
TITLE OF INVENTION: MAMMALIAN ZCYTORS  
NUMBER OF SEQUENCES: 37  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Zymogenetics  
STREET: 1201 Eastlake Ave East  
CITY: Seattle  
STATE: WA  
COUNTRY: USA  
ZIP: 98102  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSEQ for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/880,578  
FILING DATE: 13-Jun-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: <Unknown>  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Lunn, Paul G  
REGISTRATION NUMBER: 32,743  
REFERENCE/DOCKET NUMBER: 96-22  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 206-442-6627  
TELEFAX: 206-442-6678  
INFORMATION FOR SEQ ID NO: 27:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 369 amino acids  
TYPE: amino acid  
STRANDEDNESS: single

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;
; MOLECULE TYPE: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 27;
US-09-880-578-27

Query Match      25.4%; Score 296; DB 9; Length 389;
Best Local Similarity 38.0%; Pred. No. 6.3e-20;
Matches 76; Conservative 27; Mismatches 85; Indels 12; Gaps 8;

QY 15 LFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGG--LPTNYSILTYHREGETLM 72
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 86 ILASCLYVG-LPEKPNVNSCSKMKDLTCRTWPGAHGETFLHTNYSILTYHREGETLM 144
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 73 HECPDYITGPNSCHEGQVTSWRTYIMVNAT-OMGSSFSDELVDVYIVQDPPE 131
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 145 NTCSEYHTVGHSPHCHPKD-LALFTPYEIVWEATNRLGSRSDVLTLDLDVVTDPDPPD 203
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 132 LAV-EVKQPDPRKPYLWIKSPPTLIDLKTGWTFLLYEIRLKPKEAAWE-IHFAGCQOTE 189
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 204 VHVSRVGGLEDQLSVRWV--SPALKDF---LFOAKYQIRYRVEDSVDMKVVDDVSNQTS 258
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 190 FKILSLHPGQKYLVOVRCKP 209
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 259 CRLAGLKPGTVYFVQVRCNP 278
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## RESULT 13

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US-09-880-578-31
; Sequence 31, Application US/09880578
; Patent No. US20020045733A1
; GENERAL INFORMATION:
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; APPLICANT: Lok, Si
; Presnell, Scott R.
; Jelmeberg, Anna C.
; Gilbert, Teresa
; Foster, Donald C.
; Adams, Robyn L.
; Lehner, Joyce M.
```

```
; TITLE OF INVENTION: MAMMALIAN ZCYTORS
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
```

```
; ADDRESSEE: Zymogenetics
; STREET: 1201 Eastlake Ave East
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98102
```

```
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ for Windows Version 2.0
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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/880,578
; FILING DATE: 13-Jun-2001
; CLASSIFICATION: <Unknown>
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```
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: <Unknown>
; FILING DATE: <Unknown>
```

```
; ATTORNEY/AGENT INFORMATION:
; NAME: Lunn, Paul G
; REGISTRATION NUMBER: 32,743
; REFERENCE/DOCKET NUMBER: 96-22
```

```
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 206-442-6627
; TELEFAX: 206-442-6678
; TELEX: <Unknown>
```

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; INFORMATION FOR SEQ ID NO: 31:
; SEQUENCE CHARACTERISTICS:
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; LENGTH: 389 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
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;
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 31;
US-09-880-578-31

Query Match      25.4%; Score 296; DB 9; Length 389;
Best Local Similarity 37.5%; Pred. No. 6.3e-20;
Matches 75; Conservative 29; Mismatches 84; Indels 12; Gaps 8;

QY 15 LFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGG--LPTNYSILTYHREGETLM 72
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 86 ILASCLYVG-LPEKPNVNSCSKMKDLTCRTWPGAHGETFLHTNYSILTYHREGETLM 144
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 73 HECPDYITGPNSCHEGQVTSWRTYIMVNAT-OMGSSFSDELVDVYIVQDPPE 131
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 145 NTCSEYHTVGHSPHCHPKD-LALFTPYEIVWEATNRLGSRSDVLTLDLDVVTDPDPPD 203
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 132 LAV-EVKQPDPRKPYLWIKSPPTLIDLKTGWTFLLYEIRLKPKEAAWE-IHFAGCQOTE 189
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 204 VHVSRVGGLEDQLSVRWV--SPALKDF---LFOAKYQIRYRVEDSVDMKVVDDVSNQTS 258
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 190 FKILSLHPGQKYLVOVRCKP 209
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 259 CRLAGLKPGTVYFVQVRCNP 278
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
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## RESULT 14

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US-09-880-578-2
; Sequence 2, Application US/09880578
; Patent No. US20020045733A1
; GENERAL INFORMATION:
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```
; APPLICANT: Lok, Si
; Presnell, Scott R.
; Jelmeberg, Anna C.
; Gilbert, Teresa
; Foster, Donald C.
; Adams, Robyn L.
; Lehner, Joyce M.
```

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; TITLE OF INVENTION: MAMMALIAN ZCYTORS
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
```

```
; ADDRESSEE: Zymogenetics
; STREET: 1201 Eastlake Ave East
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98102
```

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; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ for Windows Version 2.0
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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/880,578
; FILING DATE: 13-Jun-2001
; CLASSIFICATION: <Unknown>
```

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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: <Unknown>
; FILING DATE: <Unknown>
```

```
; ATTORNEY/AGENT INFORMATION:
; NAME: Lunn, Paul G
; REGISTRATION NUMBER: 32,743
; REFERENCE/DOCKET NUMBER: 96-22
```

```
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 206-442-6627
; TELEFAX: 206-442-6678
; TELEX: <Unknown>
```

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; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
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; LENGTH: 422 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
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; FRAGMENT TYPE: internal
; SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-880-578-2

Query Match      25.4%; Score 296; DB 9; Length 422;
Best Local Similarity 38.0%; Pred. No. 6.9e-20;
Matches 76; Conservative 27; Mismatches 85; Indels 12; Gaps 8;

QY 15 LFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWNRPGTDGG--LPTNYSLTYHREGETLM 72
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QY 73 HECPDYITGGPNSCHFGKQYTSMTWTYIMMYNAT-QMGSSFSDELYVDVTYIVQDPDPLE 131
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 182 NTCSEYHTVGPHSCHIPKD-LALFTPYEIVWEATNRLGSARSVDLTLDILDVVTTPDPP 240

QY 132 LAV-EVKQPEDRKPYLWIKNSPPTLIDLKTCWFTLLYEIRLKPEKAAEWE-IHFAGQOTE 189
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 241 VHVSRVGGLEDQLSVRWV--SPPALKDF---LFOAKYQIRYRVSDVDWKVDDVSNQTS 295

QY 190 FKILSLHPGQKYLQVRCCKP 209
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 296 CRLAGLKPGTVYFVQVRCNP 315

; APPLICANT: Lok, S4
; Presnell, Scott R.
; Jeimberg, Anna C.
; Gilbert, Teresa
; Foster, Donald C.
; Adams, Robyn L.
; Lehner, Joyce M.
; TITLE OF INVENTION: MAMMALIAN ZCYTORS
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Zytogenetics
; STREET: 1201 Eastlake Ave East
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98102
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/880,578
; FILING DATE: 13-Jun-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: <Unknown>
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Lunn, Paul G
; REGISTRATION NUMBER: 32,743
; REFERENCE/DOCKET NUMBER: 96-22
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 206-442-6627
; TELEFAX: 206-442-6678
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 30:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 389 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein

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; SEQUENCE DESCRIPTION: SEQ ID NO: 30:
US-09-880-578-30

Query Match      25.3%; Score 295; DB 9; Length 389;
Best Local Similarity 38.0%; Pred. No. 7.9e-20;
Matches 76; Conservative 27; Mismatches 85; Indels 12; Gaps 8;

QY 15 LFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWNRPGTDGG--LPTNYSLTYHREGETLM 72
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 86 ILAGSCLVVG-LPPEKPNVISCWKNKDLTCRTWPGAHGETFLHTNYSLKYLKRWYQD 144

QY 73 HECPDYITGGPNSCHFGKQYTSMTWTYIMMYNAT-QMGSSFSDELYVDVTYIVQDPDPLE 131
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 145 NTCSEYHTVGPHSCHIPKD-LALFTPYEIVWEATNRLGSARSVDLTLDILDVVTTPDPP 203

QY 132 LAV-EVKQPEDRKPYLWIKNSPPTLIDLKTCWFTLLYEIRLKPEKAAEWE-IHFAGQOTE 189
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Db 204 VHVSRVGGLEDQLSVRWV--SPPALKDF---LFOAKYQIRYRVSDVDWKVDDVSNQTS 258

QY 190 FKILSLHPGQKYLQVRCCKP 209
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 259 CRLAGLKPGTVYFVQVRCNP 278

Search completed: October 18, 2004, 14:59:50
Job time : 129 secs

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GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: October 18, 2004, 14:42:02 ; Search time 470 Seconds  
(without alignments)

495.063 Million cell updates/sec

Title: US-10-029-079-3

Perfect score: 1166

Sequence: 1 MKENVASATVTLILLFLNTC.....KILSLHPGKYLQVNRCKPD 210

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 6730630 seqs, 1107998698 residues

Total number of hits satisfying chosen parameters: 6730630

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Pending Patents AA Main:  
1: /cgn2\_6/ptodata/1/paa/US06\_PCTUS\_COMB.pep.\*  
2: /cgn2\_6/ptodata/1/paa/US06\_COMB.pep.\*  
3: /cgn2\_6/ptodata/1/paa/US07\_COMB.pep.\*  
4: /cgn2\_6/ptodata/1/paa/US08\_COMB.pep.\*  
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25: /cgn2\_6/ptodata/1/paa/US099B\_COMB.pep.\*  
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36: /cgn2\_6/ptodata/1/paa/US109\_COMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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Result No.	Score	Query Match	Length	DB	ID	Description
1	1166	100.0	210	26	US-10-029-079-3	Sequence 3, Appli
2	1155.5	99.1	230	21	US-03-724-676A-83309	Sequence 83309, A
3	1155.5	99.1	230	21	US-03-724-676A-83309	Sequence 83309, A
4	1155.5	99.1	288	27	US-10-170-205E-17994	Sequence 17994, A
5	1155.5	99.1	288	36	US-60-452-680-22670	Sequence 22670, A
6	1155.5	99.1	349	22	US-09-791-537-37838	Sequence 37838, A
7	1155.5	99.1	349	27	US-10-170-205E-18065	Sequence 18065, A
8	1155.5	99.1	349	36	US-60-452-680-22672	Sequence 22672, A
9	1155.5	99.1	376	27	US-10-170-205E-17995	Sequence 17995, A
10	1155.5	99.1	376	36	US-60-452-680-22671	Sequence 22671, A
11	1155.5	99.1	426	21	US-03-724-676A-83308	Sequence 83308, A
12	1155.5	99.1	426	21	US-03-724-676A-83308	Sequence 83308, A
13	1155.5	99.1	622	1	PCT-US01-49049-3	Sequence 3, Appli
14	1155.5	99.1	622	1	PCT-US01-49049A-3	Sequence 3, Appli
15	1155.5	99.1	622	1	PCT-US02-19669-373	Sequence 373, App
16	1155.5	99.1	622	1	PCT-US02-19669A-373	Sequence 373, App
17	1155.5	99.1	622	22	US-09-791-537-18829	Sequence 18829, A
18	1155.5	99.1	622	26	US-10-058-270A-40	Sequence 40, Appl
19	1155.5	99.1	622	27	US-10-170-205E-18242	Sequence 18242, A
20	1155.5	99.1	622	27	US-10-177-293-373	Sequence 373, App
21	1155.5	99.1	622	28	US-10-295-027-112	Sequence 112, App
22	1155.5	99.1	622	28	US-10-295-027-744	Sequence 744, App
23	1155.5	99.1	622	36	US-60-452-680-22669	Sequence 22669, A
24	1155.5	99.1	637	24	US-09-949-016-10128	Sequence 10128, A
25	1155.5	99.1	637	35	US-10-940-774-10128	Sequence 10128, A
26	1052.5	90.3	622	22	US-09-791-537-3751	Sequence 3751, Ap
27	1036.5	88.9	206	22	US-09-791-537-24513	Sequence 24513, A
28	1036.5	88.9	211	7	US-08-310-552-2	Sequence 2, Appli
29	1036.5	88.9	211	22	US-09-791-537-116008	Sequence 116008,
30	987	84.6	597	28	US-10-287-971-74	Sequence 74, Appl
31	935.5	80.2	616	22	US-09-791-537-99548	Sequence 99548, A
32	901.5	77.3	581	22	US-09-791-537-19333	Sequence 19333, A
33	888.5	76.2	625	22	US-09-791-537-23830	Sequence 23830, A
34	865.5	74.2	296	22	US-09-791-537-53150	Sequence 53150, A
35	865.5	74.2	581	22	US-09-791-537-119332	Sequence 119332,
36	863.5	74.1	296	22	US-09-791-537-107221	Sequence 107221,
37	863.5	74.1	581	22	US-09-791-537-35028	Sequence 35028, A
38	837	71.8	310	22	US-09-791-537-85473	Sequence 85473, A
39	837	71.8	412	22	US-09-791-537-93032	Sequence 93032, A
40	813.5	69.8	292	22	US-09-791-537-62081	Sequence 62081, A
41	813.5	69.8	303	22	US-09-791-537-62063	Sequence 62063, A
42	813.5	69.8	608	22	US-09-791-537-35679	Sequence 35679, A
43	813.5	69.8	608	22	US-09-791-537-64104	Sequence 64104, A
44	799.5	68.6	210	22	US-09-791-537-86333	Sequence 86333, A
45	764.5	65.6	198	22	US-09-791-537-95162	Sequence 95162, A

# ALIGNMENTS

RESULT 1  
US-10-029-079-3  
; Sequence 3, Application US/10029079  
; GENERAL INFORMATION:  
; APPLICANT: Kline, J. Bradford  
; APPLICANT: Clevenger, Charles V  
; TITLE OF INVENTION: Composition and Method for Modulating Somatolactogenic Function  
; FILE REFERENCE: PENN-0795  
; CURRENT APPLICATION NUMBER: US/10/029,079  
; PRIOR FILING DATE: 2001-12-21  
; PRIOR APPLICATION NUMBER: 60/258,285  
; PRIOR FILING DATE: 2000-12-22  
; NUMBER OF SEQ ID NOS: 4  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 3  
; LENGTH: 210  
; TYPE: PRT  
; ORGANISM: Homo sapien  
US-10-029-079-3

Query Match 100.0%; Score 1166; DB 26; Length 210;  
Best Local Similarity 100.0%; Pred. No. 4e-118;  
Matches 210; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MKENVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPCTDGLPTNY 60  
DB 1 MKENVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPCTDGLPTNY 60  
QY 61 SLTYHREGETLMHCEPDYITGGPNSCHFGKQYTSWRTYIMMNNAT-OMGSSFSDELYVD 120  
DB 61 SLTYHREGETLMHCEPDYITGGPNSCHFGKQYTSWRTYIMMNNAT-OMGSSFSDELYVD 120  
QY 121 VTYIVQDPDPLELAVKQPEDRKPYLWKSPPTLIDLTGWTLLYEIRLKPEKAAEW 180  
DB 121 VTYIVQDPDPLELAVKQPEDRKPYLWKSPPTLIDLTGWTLLYEIRLKPEKAAEW 180  
QY 181 IHFAGQOTEFKILSLHPGQKYLQVRCCKPD 210  
DB 181 IHFAGQOTEFKILSLHPGQKYLQVRCCKPD 210

## RESULT 2

US-09-724-676-83309  
; Sequence 83309, Application US/09724676  
; GENERAL INFORMATION:  
; APPLICANT: Compugen LTD  
; TITLE OF INVENTION: Variants of alternative splicing  
; FILE REFERENCE: 129181.4 Compugen  
; CURRENT APPLICATION NUMBER: US/09/724.676  
; CURRENT FILING DATE: 2000-11-28  
; NUMBER OF SEQ ID NOS: 97222  
; SOFTWARE: Patent in version 3.2  
; SEQ ID NO 83309  
; LENGTH: 230  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-724-676-83309

Query Match 99.1%; Score 1155.5; DB 21; Length 230;  
Best Local Similarity 99.5%; Pred. No. 6.4e-117;  
Matches 210; Conservative 0; Mismatches 0; Indels 1; Gaps 1;  
QY 1 MKENVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPCTDGLPTNY 60  
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QY 61 SLTYHREGETLMHCEPDYITGGPNSCHFGKQYTSWRTYIMMNNAT-OMGSSFSDELYVD 119  
DB 61 SLTYHREGETLMHCEPDYITGGPNSCHFGKQYTSWRTYIMMNNAT-OMGSSFSDELYVD 120  
QY 120 VTYIVQDPDPLELAVKQPEDRKPYLWKSPPTLIDLTGWTLLYEIRLKPEKAAEW 179  
DB 121 VTYIVQDPDPLELAVKQPEDRKPYLWKSPPTLIDLTGWTLLYEIRLKPEKAAEW 180  
QY 180 BIHFAGQOTEFKILSLHPGQKYLQVRCCKPD 210  
DB 181 BIHFAGQOTEFKILSLHPGQKYLQVRCCKPD 211

## RESULT 3

US-09-724-676A-83309  
; Sequence 83309, Application US/09724676A  
; GENERAL INFORMATION:  
; APPLICANT: Compugen LTD  
; TITLE OF INVENTION: Variants of alternative splicing  
; FILE REFERENCE: 129181.4 Compugen  
; CURRENT APPLICATION NUMBER: US/09/724.676A  
; CURRENT FILING DATE: 2000-11-28  
; NUMBER OF SEQ ID NOS: 97222  
; SOFTWARE: Patent in version 3.2  
; SEQ ID NO 83309  
; LENGTH: 230  
; TYPE: PRT

; ORGANISM: Homo sapiens  
US-09-724-676A-83309  
Query Match 99.1%; Score 1155.5; DB 21; Length 230;  
Best Local Similarity 99.5%; Pred. No. 6.4e-117;  
Matches 210; Conservative 0; Mismatches 0; Indels 1; Gaps 1;  
QY 1 MKENVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPCTDGLPTNY 60  
DB 1 MKENVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPCTDGLPTNY 60  
QY 61 SLTYHREGETLMHCEPDYITGGPNSCHFGKQYTSWRTYIMMNNAT-OMGSSFSDELYVD 119  
DB 61 SLTYHREGETLMHCEPDYITGGPNSCHFGKQYTSWRTYIMMNNAT-OMGSSFSDELYVD 120  
QY 120 VTYIVQDPDPLELAVKQPEDRKPYLWKSPPTLIDLTGWTLLYEIRLKPEKAAEW 179  
DB 121 VTYIVQDPDPLELAVKQPEDRKPYLWKSPPTLIDLTGWTLLYEIRLKPEKAAEW 180  
QY 180 BIHFAGQOTEFKILSLHPGQKYLQVRCCKPD 210  
DB 181 BIHFAGQOTEFKILSLHPGQKYLQVRCCKPD 211

## RESULT 4

US-10-170-205E-17994  
; Sequence 17994, Application US/10170205E  
; GENERAL INFORMATION:  
; APPLICANT: ADAMS, Mark  
; TITLE OF INVENTION: DEVICES, SUCH AS ARRAYS, COMPRISED OF HUMAN PROTEINS OR PROTEIN  
; FILE REFERENCE: CL001381  
; CURRENT APPLICATION NUMBER: US/10/170.205E  
; CURRENT FILING DATE: 2002-06-13  
; NUMBER OF SEQ ID NOS: 40312  
; SOFTWARE: Patent in version 3.2  
; SEQ ID NO 17994  
; LENGTH: 288  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-170-205E-17994

Query Match 99.1%; Score 1155.5; DB 27; Length 288;  
Best Local Similarity 99.5%; Pred. No. 8.6e-117;  
Matches 210; Conservative 0; Mismatches 0; Indels 1; Gaps 1;  
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DB 61 SLTYHREGETLMHCEPDYITGGPNSCHFGKQYTSWRTYIMMNNAT-OMGSSFSDELYVD 120  
QY 120 VTYIVQDPDPLELAVKQPEDRKPYLWKSPPTLIDLTGWTLLYEIRLKPEKAAEW 179  
DB 121 VTYIVQDPDPLELAVKQPEDRKPYLWKSPPTLIDLTGWTLLYEIRLKPEKAAEW 180  
QY 180 BIHFAGQOTEFKILSLHPGQKYLQVRCCKPD 210  
DB 181 BIHFAGQOTEFKILSLHPGQKYLQVRCCKPD 211

## RESULT 5

US-60-452-680-22670  
; Sequence 22670, Application US/60452680  
; GENERAL INFORMATION:  
; APPLICANT: CARGILL, Michele  
; APPLICANT: GRUPE, Andrew  
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
; FILE REFERENCE: CL001450  
; CURRENT APPLICATION NUMBER: US/60/452.680

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; CURRENT FILING DATE: 2003-03-07
; NUMBER OF SEQ ID NOS: 116213
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 22670
; LENGTH: 288
; TYPE: PRT
; ORGANISM: Homo sapiens
US-60-452-680-22670

Query Match
Best Local Similarity 99.1%; Score 1155.5; DB 36; Length 288;
Matches 210; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 1 MKENVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNY 60
DB 1 MKENVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNY 60
QY 61 SLTYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNAT-QMGSSFSDELYVD 119
DB 61 SLTYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNAT-QMGSSFSDELYVD 120
QY 120 VTYIVQDPDPLEAVEVKQPEDRKPYLWKSPPTLIDLKTGWFTLLYEIRLKPKEAAEW 179
DB 121 VTYIVQDPDPLEAVEVKQPEDRKPYLWKSPPTLIDLKTGWFTLLYEIRLKPKEAAEW 180
QY 180 EHFAGQQTTEFKILSLHPGQKYLQVCRCKPD 210
DB 181 EHFAGQQTTEFKILSLHPGQKYLQVCRCKPD 211

RESULT 6
US-09-791-537-37838
; Sequence 37838, Application US/09791537
; GENERAL INFORMATION:
; APPLICANT: Bionomix, Inc.
; APPLICANT: Debe, Derek
; APPLICANT: Danzer, Joseph
; TITLE OF INVENTION: THREE DIMENSIONAL STRUCTURES OF PROTEIN FAMILIES AND FAMILY MEMB
; TITLE OF INVENTION: METHODS OF USE THEREOF
; CURRENT FILING DATE: 2001-02-22
; CURRENT APPLICATION NUMBER: US/09/791,537
; NUMBER OF SEQ ID NOS: 153055
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 37838
; LENGTH: 349
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-791-537-37838

Query Match
Best Local Similarity 99.1%; Score 1155.5; DB 22; Length 349;
Matches 210; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 1 MKENVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNY 60
DB 1 MKENVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNY 60
QY 61 SLTYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNAT-QMGSSFSDELYVD 119
DB 61 SLTYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNAT-QMGSSFSDELYVD 120
QY 120 VTYIVQDPDPLEAVEVKQPEDRKPYLWKSPPTLIDLKTGWFTLLYEIRLKPKEAAEW 179
DB 121 VTYIVQDPDPLEAVEVKQPEDRKPYLWKSPPTLIDLKTGWFTLLYEIRLKPKEAAEW 180
QY 180 EHFAGQQTTEFKILSLHPGQKYLQVCRCKPD 210
DB 181 EHFAGQQTTEFKILSLHPGQKYLQVCRCKPD 211

RESULT 7
US-10-170-205E-18065
; Sequence 18065, Application US/10170205E
; GENERAL INFORMATION:
; APPLICANT: ADAMS, Mark
; TITLE OF INVENTION: DEVICES, SUCH AS ARRAYS, COMPRISED OF HUMAN PROTEINS OR PROTEIN
; TITLE OF INVENTION: CAPTURE AGENTS, AND USES THEREOF
; FILE REFERENCE: CL001381
; CURRENT APPLICATION NUMBER: US/10/170,205E
; CURRENT FILING DATE: 2002-06-13
; NUMBER OF SEQ ID NOS: 40312
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 18065
; LENGTH: 349
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-170-205E-18065

Query Match
Best Local Similarity 99.1%; Score 1155.5; DB 27; Length 349;
Matches 210; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 1 MKENVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNY 60
DB 1 MKENVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNY 60
QY 61 SLTYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNAT-QMGSSFSDELYVD 119
DB 61 SLTYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNAT-QMGSSFSDELYVD 120
QY 120 VTYIVQDPDPLEAVEVKQPEDRKPYLWKSPPTLIDLKTGWFTLLYEIRLKPKEAAEW 179
DB 121 VTYIVQDPDPLEAVEVKQPEDRKPYLWKSPPTLIDLKTGWFTLLYEIRLKPKEAAEW 180
QY 180 EHFAGQQTTEFKILSLHPGQKYLQVCRCKPD 210
DB 181 EHFAGQQTTEFKILSLHPGQKYLQVCRCKPD 211

RESULT 8
US-60-452-680-22672
; Sequence 22672, Application US/60452680
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele
; APPLICANT: GRUPE, Andrew
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
; TITLE OF INVENTION: ALZHEIMER'S DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001450
; CURRENT APPLICATION NUMBER: US/60/452,680
; CURRENT FILING DATE: 2003-03-07
; NUMBER OF SEQ ID NOS: 116213
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 22672
; LENGTH: 349
; TYPE: PRT
; ORGANISM: Homo sapiens
US-60-452-680-22672

Query Match
Best Local Similarity 99.1%; Score 1155.5; DB 36; Length 349;
Matches 210; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 1 MKENVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNY 60
DB 1 MKENVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNY 60
QY 61 SLTYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNAT-QMGSSFSDELYVD 119
DB 61 SLTYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNAT-QMGSSFSDELYVD 120
QY 120 VTYIVQDPDPLEAVEVKQPEDRKPYLWKSPPTLIDLKTGWFTLLYEIRLKPKEAAEW 179
DB 121 VTYIVQDPDPLEAVEVKQPEDRKPYLWKSPPTLIDLKTGWFTLLYEIRLKPKEAAEW 180
QY 180 EHFAGQQTTEFKILSLHPGQKYLQVCRCKPD 210
DB 181 EHFAGQQTTEFKILSLHPGQKYLQVCRCKPD 211
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Db 181 EIHFAQQOTEFKILSLHPGQKYLQVVRCKPD 211  
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RESULT 9  
US-10-170-205E-17995  
; Sequence 17995, Application US/10170205E  
; GENERAL INFORMATION:  
; APPLICANT: ADAMS, Mark  
; TITLE OF INVENTION: DEVICES, SUCH AS ARRAYS, COMPRISED OF HUMAN PROTEINS OR PROTEIN  
; FILE REFERENCE: CLO01381  
; CURRENT APPLICATION NUMBER: US/10/170.205E  
; CURRENT FILING DATE: 2002-06-13  
; NUMBER OF SEQ ID NOS: 40312  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 17995  
; LENGTH: 376  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-170-205E-17995  
Query Match 99.1%; Score 1155.5; DB 27; Length 376;  
Best Local Similarity 99.5%; Pred. No. 1.2e-116;  
Matches 210; Conservative 0; Mismatches 0; Indels 1; Gaps 1;  
QY 1 MKNVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNY 60  
Db 1 MKNVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNY 60  
QY 61 SLTYHREGETLMHCEPDYITGGPNSCHFGKQYTSWRTYIMVYNAT-QMGSSFSDELYVD 119  
Db 61 SLTYHREGETLMHCEPDYITGGPNSCHFGKQYTSWRTYIMVYNAT-QMGSSFSDELYVD 120  
QY 120 VTYIVQDPPLLEAVEVKQPEDRKPYLWKWSPTTLLDLKTGWFTLLYIIRLKEPKAAEW 179  
Db 121 VTYIVQDPPLLEAVEVKQPEDRKPYLWKWSPTTLLDLKTGWFTLLYIIRLKEPKAAEW 180  
QY 180 EIHFAQQOTEFKILSLHPGQKYLQVVRCKPD 210  
Db 181 EIHFAQQOTEFKILSLHPGQKYLQVVRCKPD 211  
RESULT 10  
US-60-452-680-22671  
; Sequence 22671, Application US/60452680  
; GENERAL INFORMATION:  
; APPLICANT: CARGILL, Michele  
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH  
; FILE REFERENCE: CLO01450  
; CURRENT APPLICATION NUMBER: US/60/452.680  
; CURRENT FILING DATE: 2003-03-07  
; NUMBER OF SEQ ID NOS: 116213  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 22671  
; LENGTH: 376  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-60-452-680-22671  
Query Match 99.1%; Score 1155.5; DB 36; Length 376;  
Best Local Similarity 99.5%; Pred. No. 1.2e-116;  
Matches 210; Conservative 0; Mismatches 0; Indels 1; Gaps 1;  
QY 1 MKNVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNY 60  
Db 1 MKNVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNY 60  
QY 61 SLTYHREGETLMHCEPDYITGGPNSCHFGKQYTSWRTYIMVYNAT-QMGSSFSDELYVD 119  
Db 61 SLTYHREGETLMHCEPDYITGGPNSCHFGKQYTSWRTYIMVYNAT-QMGSSFSDELYVD 120

QY 120 VTYIVQDPPLLEAVEVKQPEDRKPYLWKWSPTTLLDLKTGWFTLLYIIRLKEPKAAEW 179  
Db 121 VTYIVQDPPLLEAVEVKQPEDRKPYLWKWSPTTLLDLKTGWFTLLYIIRLKEPKAAEW 180  
QY 180 EIHFAQQOTEFKILSLHPGQKYLQVVRCKPD 210  
Db 181 EIHFAQQOTEFKILSLHPGQKYLQVVRCKPD 211  
RESULT 11  
US-09-724-676-83308  
; Sequence 83308, Application US/09724676  
; GENERAL INFORMATION:  
; APPLICANT: Compugen LTD  
; TITLE OF INVENTION: Variants of alternative splicing  
; FILE REFERENCE: 129181.4 Compugen  
; CURRENT APPLICATION NUMBER: US/09/724.676  
; CURRENT FILING DATE: 2000-11-28  
; NUMBER OF SEQ ID NOS: 97222  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 83308  
; LENGTH: 426  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-724-676-83308  
Query Match 99.1%; Score 1155.5; DB 21; Length 426;  
Best Local Similarity 99.5%; Pred. No. 1.5e-116;  
Matches 210; Conservative 0; Mismatches 0; Indels 1; Gaps 1;  
QY 1 MKNVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNY 60  
Db 1 MKNVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNY 60  
QY 61 SLTYHREGETLMHCEPDYITGGPNSCHFGKQYTSWRTYIMVYNAT-QMGSSFSDELYVD 119  
Db 61 SLTYHREGETLMHCEPDYITGGPNSCHFGKQYTSWRTYIMVYNAT-QMGSSFSDELYVD 120  
QY 120 VTYIVQDPPLLEAVEVKQPEDRKPYLWKWSPTTLLDLKTGWFTLLYIIRLKEPKAAEW 179  
Db 121 VTYIVQDPPLLEAVEVKQPEDRKPYLWKWSPTTLLDLKTGWFTLLYIIRLKEPKAAEW 180  
QY 180 EIHFAQQOTEFKILSLHPGQKYLQVVRCKPD 210  
Db 181 EIHFAQQOTEFKILSLHPGQKYLQVVRCKPD 211

RESULT 12  
US-09-724-676A-83308  
; Sequence 83308, Application US/09724676A  
; GENERAL INFORMATION:  
; APPLICANT: Compugen LTD  
; TITLE OF INVENTION: Variants of alternative splicing  
; FILE REFERENCE: 129181.4 Compugen  
; CURRENT APPLICATION NUMBER: US/09/724.676A  
; CURRENT FILING DATE: 2000-11-28  
; NUMBER OF SEQ ID NOS: 97222  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 83308  
; LENGTH: 426  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-724-676A-83308  
Query Match 99.1%; Score 1155.5; DB 21; Length 426;  
Best Local Similarity 99.5%; Pred. No. 1.5e-116;  
Matches 210; Conservative 0; Mismatches 0; Indels 1; Gaps 1;  
QY 1 MKNVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNY 60  
Db 1 MKNVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNY 60

QY 61 SLTYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNAT-QMGSSFSDELYVD 119  
Db 61 SLTYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNATQMGSSFSDELYVD 120  
QY 120 VTYIVQDPDPLELAVEVKQPEDRKPYLWKSPPTLIDLKTGWTLLYEIRLKPKEAAEW 179  
Db 121 VTYIVQDPDPLELAVEVKQPEDRKPYLWKSPPTLIDLKTGWTLLYEIRLKPKEAAEW 180  
QY 180 EIHFAQQOTEFEKILSLHPGQKYLQVVRCKPD 210  
Db 181 EIHFAQQOTEFEKILSLHPGQKYLQVVRCKPD 211

RESULT 13  
PCT-US01-49049-3  
; Sequence 3, Application PC/TUS0149049  
; GENERAL INFORMATION:  
; APPLICANT: Genaisance Pharmaceuticals, Inc.  
; APPLICANT: Bieglecki, Karyn M  
; APPLICANT: Duda, Amy  
; APPLICANT: Koshiy, Beena  
; TITLE OF INVENTION: HAPLOTYPES OF THE PRLR GENE  
; FILE REFERENCE: PRLR-MWH-0892PCT  
; CURRENT APPLICATION NUMBER: PCT/US01/49049  
; CURRENT FILING DATE: 2001-12-18  
; PRIOR APPLICATION NUMBER: 60/256,523  
; PRIOR FILING DATE: 2000-12-18  
; NUMBER OF SEQ ID NOS: 39  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 3  
; LENGTH: 622  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
PCT-US01-49049-3

Query Match 99.1%; Score 1155.5; DB 1; Length 622;  
Best Local Similarity 99.5%; Pred. No. 2.4e-116;  
Matches 210; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 1 MKENVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNY 60  
Db 1 MKENVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNY 60  
QY 61 SLTYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNAT-QMGSSFSDELYVD 119  
Db 61 SLTYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNATQMGSSFSDELYVD 120  
QY 120 VTYIVQDPDPLELAVEVKQPEDRKPYLWKSPPTLIDLKTGWTLLYEIRLKPKEAAEW 179  
Db 121 VTYIVQDPDPLELAVEVKQPEDRKPYLWKSPPTLIDLKTGWTLLYEIRLKPKEAAEW 180  
QY 180 EIHFAQQOTEFEKILSLHPGQKYLQVVRCKPD 210  
Db 181 EIHFAQQOTEFEKILSLHPGQKYLQVVRCKPD 211

RESULT 14  
PCT-US01-49049A-3  
; Sequence 3, Application PC/TUS0149049A  
; GENERAL INFORMATION:  
; APPLICANT: Genaisance Pharmaceuticals, Inc.  
; APPLICANT: Bieglecki, Karyn M  
; APPLICANT: Duda, Amy  
; APPLICANT: Koshiy, Beena  
; TITLE OF INVENTION: HAPLOTYPES OF THE PRLR GENE  
; FILE REFERENCE: PRLR-MWH-0892PCT  
; CURRENT APPLICATION NUMBER: PCT/US01/49049A  
; CURRENT FILING DATE: 2001-12-18  
; PRIOR APPLICATION NUMBER: 60/256,523  
; PRIOR FILING DATE: 2000-12-18  
; NUMBER OF SEQ ID NOS: 39  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 3

Query Match 99.1%; Score 1155.5; DB 1; Length 622;  
Best Local Similarity 99.5%; Pred. No. 2.4e-116;  
Matches 210; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 1 MKENVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNY 60  
Db 1 MKENVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNY 60  
QY 61 SLTYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNAT-QMGSSFSDELYVD 119  
Db 61 SLTYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNATQMGSSFSDELYVD 120  
QY 120 VTYIVQDPDPLELAVEVKQPEDRKPYLWKSPPTLIDLKTGWTLLYEIRLKPKEAAEW 179  
Db 121 VTYIVQDPDPLELAVEVKQPEDRKPYLWKSPPTLIDLKTGWTLLYEIRLKPKEAAEW 180  
QY 180 EIHFAQQOTEFEKILSLHPGQKYLQVVRCKPD 210  
Db 181 EIHFAQQOTEFEKILSLHPGQKYLQVVRCKPD 211

QY 61 SLTYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNAT-QMGSSFSDELYVD 119  
Db 61 SLTYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNATQMGSSFSDELYVD 120  
QY 120 VTYIVQDPDPLELAVEVKQPEDRKPYLWKSPPTLIDLKTGWTLLYEIRLKPKEAAEW 179  
Db 121 VTYIVQDPDPLELAVEVKQPEDRKPYLWKSPPTLIDLKTGWTLLYEIRLKPKEAAEW 180  
QY 180 EIHFAQQOTEFEKILSLHPGQKYLQVVRCKPD 210  
Db 181 EIHFAQQOTEFEKILSLHPGQKYLQVVRCKPD 211

RESULT 15  
PCT-US02-19669-373  
; Sequence 373, Application PC/TUS0219669  
; GENERAL INFORMATION:  
; APPLICANT: Millennium Pharmaceuticals, Inc. et al.  
; TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT,  
; FILE REFERENCE: MRI-038PCT  
; CURRENT APPLICATION NUMBER: PCT/US02/19669  
; CURRENT FILING DATE: 2002-06-21  
; PRIOR APPLICATION NUMBER: US 60/299,887  
; PRIOR FILING DATE: 2001-06-21  
; PRIOR APPLICATION NUMBER: US 60/301,572  
; PRIOR FILING DATE: 2001-06-27  
; PRIOR APPLICATION NUMBER: US 60/306,501  
; PRIOR FILING DATE: 2001-07-18  
; PRIOR APPLICATION NUMBER: US 60/325,002  
; PRIOR FILING DATE: 2001-09-25  
; PRIOR APPLICATION NUMBER: US 60/362,585  
; PRIOR FILING DATE: 2002-03-05  
; PRIOR APPLICATION NUMBER: US 60/xxx,xxx  
; PRIOR FILING DATE: 2002-05-14  
; NUMBER OF SEQ ID NOS: 506  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 373  
; LENGTH: 622  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
PCT-US02-19669-373

Query Match 99.1%; Score 1155.5; DB 1; Length 622;  
Best Local Similarity 99.5%; Pred. No. 2.4e-116;  
Matches 210; Conservative 0; Mismatches 0; Indels 1; Gaps 1;

QY 1 MKENVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNY 60  
Db 1 MKENVASATVFTLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWRRPGTDGGLPTNY 60  
QY 61 SLTYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNAT-QMGSSFSDELYVD 119  
Db 61 SLTYHREGETLMHECPDYITGGPNSCHFGKQYTSMWRTYIMMVNATQMGSSFSDELYVD 120  
QY 120 VTYIVQDPDPLELAVEVKQPEDRKPYLWKSPPTLIDLKTGWTLLYEIRLKPKEAAEW 179  
Db 121 VTYIVQDPDPLELAVEVKQPEDRKPYLWKSPPTLIDLKTGWTLLYEIRLKPKEAAEW 180  
QY 180 EIHFAQQOTEFEKILSLHPGQKYLQVVRCKPD 210  
Db 181 EIHFAQQOTEFEKILSLHPGQKYLQVVRCKPD 211

Tue Oct 19 09:32:29 2004

us-10-029-079-3.rapm

Page 6

Db 181 EIHFAQQTEPKILSLHFGQKYLQVRCXPD 211

Search completed: October 18, 2004, 14:57:24  
Job time : 472 secs

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OM protein - protein search, using sw model

Run on: October 18, 2004, 14:44:50 ; Search time 7 Seconds  
(without alignments)

41.674 Million cell updates/sec

Title: US-10-029-079-3

Perfect score: 1166

Sequence: 1 MKENVASATVFTLLFLNTC.....KILSLHPGQKYLQVVRCKPD 210

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 8631 seqs, 1389124 residues

Total number of hits satisfying chosen parameters: 8631

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Pending Patents AA New:\*

- 1: /cgn2\_6/ptodata/2/paa/PCT\_NEW\_COMB.pcp:\*
- 2: /cgn2\_6/ptodata/2/paa/US06\_NEW\_COMB.pcp:\*
- 3: /cgn2\_6/ptodata/2/paa/US07\_NEW\_COMB.pcp:\*
- 4: /cgn2\_6/ptodata/2/paa/US08\_NEW\_COMB.pcp:\*
- 5: /cgn2\_6/ptodata/2/paa/US09\_NEW\_COMB.pcp:\*
- 6: /cgn2\_6/ptodata/2/paa/US10\_NEW\_COMB.pcp:\*
- 7: /cgn2\_6/ptodata/2/paa/US60\_NEW\_COMB.pcp:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	116.5	10.0	36946	1	PCT-US04-14421-155
2	81	6.9	2176	1	PCT-US04-31524-367
3	81	6.9	2296	1	PCT-US04-31524-371
4	81	6.9	2330	1	PCT-US04-31524-375
5	81	6.9	2355	1	PCT-US04-31524-191
6	77	6.6	3262	1	PCT-US04-14421-161
7	74.5	6.4	328	1	PCT-US04-31524-355
8	74.5	6.4	398	6	US-10-955-952-348
9	73	6.3	2421	1	PCT-US04-31524-369
10	73	6.3	2476	1	PCT-US04-31524-373
11	72.5	6.2	625	6	US-10-955-952-70
12	68.5	5.9	335	6	US-10-948-716-5
13	68	5.8	525	6	US-10-953-264-27
14	68	5.8	525	6	US-10-953-264-28
15	68	5.8	2471	6	US-10-765-727-23
16	68	5.8	2471	6	US-10-846-989-57
17	67	5.7	373	6	US-10-950-374-503
18	67	5.7	373	6	US-10-955-952-388
19	63	5.4	468	1	PCT-US04-17765-12
20	63	5.4	468	1	PCT-US04-17765-20
21	63	5.4	470	1	PCT-US04-17765-40
22	63	5.4	472	1	PCT-US04-17765-54
23	63	5.4	624	1	PCT-US04-17765-24
24	63	5.4	624	1	PCT-US04-17765-30
25	63	5.4	626	1	PCT-US04-17765-44
26	63	5.4	628	1	PCT-US04-17765-58

27	63	5.4	639	1	PCT-US04-17765-26	Sequence 26, Appl
28	63	5.4	639	1	PCT-US04-17765-32	Sequence 32, Appl
29	63	5.4	641	1	PCT-US04-17765-46	Sequence 46, Appl
30	63	5.4	643	1	PCT-US04-17765-60	Sequence 60, Appl
31	63	5.4	1013	6	US-10-955-952-38	Sequence 38, Appl
32	62.5	5.4	1041	1	PCT-US04-14421-215	Sequence 215, Appl
33	62	5.3	156	6	US-10-027-450-6	Sequence 6, Appl
34	62	5.3	455	1	PCT-US04-31524-72	Sequence 72, Appl
35	62	5.3	477	6	US-10-950-374-285	Sequence 285, Appl
36	62	5.3	477	6	US-10-955-952-452	Sequence 452, Appl
37	62	5.3	591	6	US-10-027-450-2	Sequence 2, Appl
38	62	5.3	821	6	US-10-951-477-16	Sequence 16, Appl
39	62	5.3	821	6	US-10-951-389-16	Sequence 16, Appl
40	62	5.3	821	6	US-10-951-406-16	Sequence 16, Appl
41	61.5	5.3	419	6	US-10-948-716-7	Sequence 7, Appl
42	61.5	5.3	426	6	US-10-948-716-1	Sequence 1, Appl
43	61.5	5.3	428	6	US-10-948-716-3	Sequence 3, Appl
44	61.5	5.3	958	1	PCT-US04-14421-174	Sequence 174, Appl
45	61.5	5.3	1257	6	US-10-953-264-22	Sequence 22, Appl

#### ALIGNMENTS

RESULT 1  
PCT-US04-14421-155  
; Sequence 155, Application PC/TUS0414421  
; GENERAL INFORMATION:  
; APPLICANT: SUGEN, INC.  
; APPLICANT: CAENEPEEL, SEAN  
; APPLICANT: MANNING, GERARD  
; APPLICANT: CHARYDCZAK, GLEN  
; APPLICANT: GRIGORIEV, IGOR  
; TITLE OF INVENTION: NOVEL KINASES  
; FILE REFERENCE: 034536-1454  
; CURRENT APPLICATION NUMBER: PCT/US04/14421  
; CURRENT FILING DATE: 2004-05-07  
; PRIOR APPLICATION NUMBER: 60/469,014  
; PRIOR FILING DATE: 2003-05-09  
; NUMBER OF SEQ ID NOS: 239  
; SOFTWARE: Patent in version 3.2  
; SEQ ID NO 155  
; LENGTH: 36946  
; TYPE: PRT  
; ORGANISM: Mus musculus  
PCT-US04-14421-155

Query Match 10.0%; Score 116.5; DB 1; Length 36946;  
Best Local Similarity 25.4%; Pred. No. 0.034;  
Matches 51; Conservative 28; Mismatches 85; Indels 37; Gaps 11;

QY 23 NGQLPGKBEIFKCRSPNKETFTCW-RGVTGGGLPTNYSLYHREGFTL-----M 72  
30531 NAFVTPGPSPISPEVTKITNSMTVVDRTVGGSEINGYFLERRDKSLAWLKVLEKI 30590

Db 73 HECPDYITGPNSSCHFGKQYTSWRTYIMNANATQSGSSFSD--ELYVDVTIVQDPDPL 130  
30591 RDRTRQVITGLTENSDF--QYR-----VCANVAGVG-PFSEPSDFYKAADIDPGPPA 30641

QY 131 ELAVEVQKPEDKRPYINIKWSPPTL---IDLTKGTFTLLYEIRLKEPKAAEWEI---HFA 184  
30642 KIRI-----ADSTKSSITLQMSKPFYDGGSDV-TG-----YVEMKQDDEEWTIVSTRGE 30691

QY 185 GOOTEFEKILSLHPGQKYLQV 205  
30692 VRTTEYVNSNLKPGVNYFQV 30712

RESULT 2  
PCT-US04-31524-367  
; Sequence 367, Application PC/TUS0431524  
; GENERAL INFORMATION:  
; APPLICANT: Dana-Farber Cancer Institute, Inc., et al.

```
; TITLE OF INVENTION: METHODS TO DETECT LINEAGE-SPECIFIC CELLS
; FILE REFERENCE: DFN-054PC
; CURRENT APPLICATION NUMBER: PCT/US04/31524
; CURRENT FILING DATE: 2004-10-01
; PRIOR APPLICATION NUMBER: 60/506221
; PRIOR FILING DATE: 2003-09-25
; PRIOR APPLICATION NUMBER: 60/509594
; PRIOR FILING DATE: 2003-10-08
; NUMBER OF SEQ ID NOS: 381
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 367
; LENGTH: 2176
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US04-31524-367

Query Match          6.9%; Score 81; DB 1; Length 2176;
Best Local Similarity 22.3%; Pred. No. 2;
Matches 40; Conservative 26; Mismatches 77; Indels 36; Gaps 9;

QY 38 SPNKETFTCWRRPGTGGGLPTNYSL-----TYHREGTLMHECPDYITGGPNSCHF----- 88
Db 1185 NPDGTGLTVSWERSTTDDI-TGYRITTTTNGQQGNSL-----EEVHADQSSCTFDNLSP 1239
QY 89 GKQYTSWRTYIMMNVATQMGSSPSDELYVDVTYVQDPPLELAVEVKQPEDRKPYLWI 148
Db 1240 GLEY-----NVSYYTVKDKESVPISD-----TIIPAVPPPTDLRFTNIGPDTWR-----V 1285
QY 149 KWSPTLLDLKTGWFTLLYELRLKPEKAAE--WEIHFAGQQTFFKILSLHPGQKYLVOV 205
Db 1286 TWAPPSIDLTN-----FLVRYSPVKNEEDVAELISPSDNAVVLNLLPGTEYVSV 1338

RESULT 3
PCT-US04-31524-371
; Sequence 371, Application PC/TUS0431524
; GENERAL INFORMATION:
; APPLICANT: Dana-Farber Cancer Institute, Inc., et al.
; TITLE OF INVENTION: METHODS TO DETECT LINEAGE-SPECIFIC CELLS
; FILE REFERENCE: DFN-054PC
; CURRENT APPLICATION NUMBER: PCT/US04/31524
; CURRENT FILING DATE: 2004-10-01
; PRIOR APPLICATION NUMBER: 60/506221
; PRIOR FILING DATE: 2003-09-25
; PRIOR APPLICATION NUMBER: 60/509594
; PRIOR FILING DATE: 2003-10-08
; NUMBER OF SEQ ID NOS: 381
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 371
; LENGTH: 2296
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US04-31524-371

Query Match          6.9%; Score 81; DB 1; Length 2296;
Best Local Similarity 22.3%; Pred. No. 2;
Matches 40; Conservative 26; Mismatches 77; Indels 36; Gaps 9;

QY 38 SPNKETFTCWRRPGTGGGLPTNYSL-----TYHREGTLMHECPDYITGGPNSCHF----- 88
Db 1185 NPDGTGLTVSWERSTTDDI-TGYRITTTTNGQQGNSL-----EEVHADQSSCTFDNLSP 1239
QY 89 GKQYTSWRTYIMMNVATQMGSSPSDELYVDVTYVQDPPLELAVEVKQPEDRKPYLWI 148
Db 1240 GLEY-----NVSYYTVKDKESVPISD-----TIIPAVPPPTDLRFTNIGPDTWR-----V 1285
QY 149 KWSPTLLDLKTGWFTLLYELRLKPEKAAE--WEIHFAGQQTFFKILSLHPGQKYLVOV 205
Db 1286 TWAPPSIDLTN-----FLVRYSPVKNEEDVAELISPSDNAVVLNLLPGTEYVSV 1338

RESULT 4
PCT-US04-31524-375
```

```
; Sequence 375, Application PC/TUS0431524
; GENERAL INFORMATION:
; APPLICANT: Dana-Farber Cancer Institute, Inc., et al.
; TITLE OF INVENTION: METHODS TO DETECT LINEAGE-SPECIFIC CELLS
; FILE REFERENCE: DFN-054PC
; CURRENT APPLICATION NUMBER: PCT/US04/31524
; CURRENT FILING DATE: 2004-10-01
; PRIOR APPLICATION NUMBER: 60/506221
; PRIOR FILING DATE: 2003-09-25
; PRIOR APPLICATION NUMBER: 60/509594
; PRIOR FILING DATE: 2003-10-08
; NUMBER OF SEQ ID NOS: 381
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 375
; LENGTH: 2330
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US04-31524-375

Query Match          6.9%; Score 81; DB 1; Length 2330;
Best Local Similarity 22.3%; Pred. No. 2.2;
Matches 40; Conservative 26; Mismatches 77; Indels 36; Gaps 9;

QY 38 SPNKETFTCWRRPGTGGGLPTNYSL-----TYHREGTLMHECPDYITGGPNSCHF----- 88
Db 1185 NPDGTGLTVSWERSTTDDI-TGYRITTTTNGQQGNSL-----EEVHADQSSCTFDNLSP 1239
QY 89 GKQYTSWRTYIMMNVATQMGSSPSDELYVDVTYVQDPPLELAVEVKQPEDRKPYLWI 148
Db 1240 GLEY-----NVSYYTVKDKESVPISD-----TIIPAVPPPTDLRFTNIGPDTWR-----V 1285
QY 149 KWSPTLLDLKTGWFTLLYELRLKPEKAAE--WEIHFAGQQTFFKILSLHPGQKYLVOV 205
Db 1286 TWAPPSIDLTN-----FLVRYSPVKNEEDVAELISPSDNAVVLNLLPGTEYVSV 1338

RESULT 5
PCT-US04-31524-191
; Sequence 191, Application PC/TUS0431524
; GENERAL INFORMATION:
; APPLICANT: Dana-Farber Cancer Institute, Inc., et al.
; TITLE OF INVENTION: METHODS TO DETECT LINEAGE-SPECIFIC CELLS
; FILE REFERENCE: DFN-054PC
; CURRENT APPLICATION NUMBER: PCT/US04/31524
; CURRENT FILING DATE: 2004-10-01
; PRIOR APPLICATION NUMBER: 60/506221
; PRIOR FILING DATE: 2003-09-25
; PRIOR APPLICATION NUMBER: 60/509594
; PRIOR FILING DATE: 2003-10-08
; NUMBER OF SEQ ID NOS: 381
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 191
; LENGTH: 2355
; TYPE: PRT
; ORGANISM: Homo sapiens
PCT-US04-31524-191

Query Match          6.9%; Score 81; DB 1; Length 2355;
Best Local Similarity 22.3%; Pred. No. 2.2;
Matches 40; Conservative 26; Mismatches 77; Indels 36; Gaps 9;

QY 38 SPNKETFTCWRRPGTGGGLPTNYSL-----TYHREGTLMHECPDYITGGPNSCHF----- 88
Db 1185 NPDGTGLTVSWERSTTDDI-TGYRITTTTNGQQGNSL-----EEVHADQSSCTFDNLSP 1239
QY 89 GKQYTSWRTYIMMNVATQMGSSPSDELYVDVTYVQDPPLELAVEVKQPEDRKPYLWI 148
Db 1240 GLEY-----NVSYYTVKDKESVPISD-----TIIPAVPPPTDLRFTNIGPDTWR-----V 1285
QY 149 KWSPTLLDLKTGWFTLLYELRLKPEKAAE--WEIHFAGQQTFFKILSLHPGQKYLVOV 205
Db 1286 TWAPPSIDLTN-----FLVRYSPVKNEEDVAELISPSDNAVVLNLLPGTEYVSV 1338
```



RESULT 6  
PCT-US04-14421-161  
; Sequence 161, Application PC/TUS0414421  
; GENERAL INFORMATION:  
; APPLICANT: SUGEN, INC.  
; APPLICANT: CAENEPEEL, SEAN  
; APPLICANT: WANNING, GERARD  
; APPLICANT: CHARVDCZAK, GLEN  
; APPLICANT: GRIGORIEV, IGOR  
; TITLE OF INVENTION: NOVEL KINASES  
; FILE REFERENCE: 034536-1454  
; CURRENT APPLICATION NUMBER: PCT/US04/14421  
; PRIOR FILING DATE: 2004-05-07  
; PRIOR APPLICATION NUMBER: 60/469,014  
; PRIOR FILING DATE: 2003-05-09  
; NUMBER OF SEQ ID NOS: 239  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 161  
; LENGTH: 3262  
; TYPE: PRT  
; ORGANISM: Mus musculus  
PCT-US04-14421-161

Query Match 6.6%; Score 77; DB 1; Length 3262;  
Best Local Similarity 25.8%; Pred. No. 8;  
Matches 32; Conservative 21; Mismatches 47; Indels 24; Gaps 8;

Qy 24 GQL-PPGKPEIFKCRSPNKTFTTCWRPPTDGLPTNYSLYTHREGTLMHCEPDVITGG 82  
Db 2682 GKLAPEVPQTY-----HDTALVVRPG-DGRAPCTYTLERRVDGESVHP-----VSSG 2730  
Qy 83 PNSCHFQKQYTMWRTYIMVY--NATQMG--SSFSDELXVDVTYIVQPPPLELAVEVK 137  
Db 2731 IPDCYNNVQLPVGTVFRVACNRRAGQGFSPNPKVFIRGT---PDSAPQAA--- 2783

Qy 138 QPED 141  
Db 2784 APRD 2787

RESULT 7  
PCT-US04-31524-355  
; Sequence 355, Application PC/TUS0431524  
; GENERAL INFORMATION:  
; APPLICANT: Dana-Farber Cancer Institute, Inc., et al.  
; TITLE OF INVENTION: METHODS TO DETECT LINEAGE-SPECIFIC CELLS  
; FILE REFERENCE: DFN-054PC  
; CURRENT APPLICATION NUMBER: PCT/US04/31524  
; CURRENT FILING DATE: 2004-10-01  
; PRIOR APPLICATION NUMBER: 60/506221  
; PRIOR FILING DATE: 2003-09-25  
; PRIOR APPLICATION NUMBER: 60/509594  
; PRIOR FILING DATE: 2003-10-08  
; NUMBER OF SEQ ID NOS: 381  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 355  
; LENGTH: 328  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
PCT-US04-31524-355

Query Match 6.4%; Score 74.5; DB 1; Length 328;  
Best Local Similarity 19.1%; Pred. No. 0.77;  
Matches 35; Conservative 29; Mismatches 86; Indels 33; Gaps 7;

Qy 18 NTCLINGQLPPGKPEIFKCRSPN-KETFTCWRPPTDGLPTNYSLYTHREGTLMHCEP 76  
Db 113 STDILKQKPEKPNKTFLECEAKYSGRFTQWL--TTISTDLTTSVKSSRSSD-----P 165  
Qy 77 DYITGGPNSCHFGKQYTMWRTYIMVYNTATQMG-----SFSDELXVDVTY----- 122  
Db 166 QGVTCGAATLS-AERVGRDNKEYYSVECDSDSACPAABESLPTEVVMVDVHKLKYENY 224

Qy 123 -----IVQPPPLELAVEVKQPEDRKPYLWIKWSPPTLIDLTGWFLLYELRLKPEK 175  
Db 225 SSFFIRDIKDPDPKQLQJ---KPLKNSRQVEVSNWPEYPTDWTSHSYPSLTFVCVQVQGS 281  
Qy 176 AAE 178  
Db 282 KKE 284

RESULT 8  
US-10-955-952-348  
; Sequence 348, Application US/10955952  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: DeForge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K  
; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3330R1C12  
; CURRENT APPLICATION NUMBER: US/10/955,952  
; CURRENT FILING DATE: 2004-09-29  
; PRIOR APPLICATION NUMBER: US/10/121,058  
; PRIOR FILING DATE: 2002-04-12  
; PRIOR APPLICATION NUMBER: 60/049911  
; PRIOR FILING DATE: 1997-06-18  
; PRIOR APPLICATION NUMBER: 60/056974  
; PRIOR FILING DATE: 1997-08-26  
; PRIOR APPLICATION NUMBER: 60/059113  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059115  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059117  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059122  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059184  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059352  
; PRIOR FILING DATE: 1997-09-19  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 550  
; SEQ ID NO 348  
; LENGTH: 398  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-955-952-348

Query Match 6.4%; Score 74.5; DB 6; Length 398;  
Best Local Similarity 26.6%; Pred. No. 0.98;  
Matches 47; Conservative 24; Mismatches 69; Indels 37; Gaps 9;

Qy 4 NVASA-----TVFTLLFLNLTCLNGQLPPGKPEIFKCRSPNKTFTCWRPPTDGL 56  
Db 99 NVALADEGYTCISFTMPVRTAKSLVTLGIPQKPIITGYKSLREKDTATLNCQSSGSK 158  
Qy 57 PTNYSLYTHREGTLMHCEPDITGTPNSCHFGKQYTMWRTY-----IMVY 104

Db 159 PA-ARLTW-RKGDQLHCEPRIQEDFN-----GKTFVSSSVTFQVTRDDGASIVCSVN 212  
QY 105 ATOM-GSSFSELYVDVTVY-----IVQDPPP-----LELAVEVKQPEDRKPYLWIK 149  
Db 213 HESLKGADRSORIEVLYTPTAMIRPDPPHPRREGQKLLHCEGRGNPNPQQYLWEK 269

## RESULT 9

PCT-US04-31524-369  
; Sequence 369, Application PC/TUS0431524  
; GENERAL INFORMATION:  
; APPLICANT: Dana-Farber Cancer Institute, Inc., et al.  
; TITLE OF INVENTION: METHODS TO DETECT LINEAGE-SPECIFIC CELLS  
; FILE REFERENCE: DFN-054PC  
; CURRENT APPLICATION NUMBER: PCT/US04/31524  
; CURRENT FILING DATE: 2004-10-01  
; PRIOR APPLICATION NUMBER: 60/506221  
; PRIOR FILING DATE: 2003-09-25  
; PRIOR APPLICATION NUMBER: 60/509594  
; PRIOR FILING DATE: 2003-10-08  
; NUMBER OF SEQ ID NOS: 381  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 369  
; LENGTH: 2421  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
PCT-US04-31524-369

Query Match 6.3%; Score 73; DB 1; Length 2421;

Best Local Similarity 21.0%; Pred. No. 13;  
Matches 42; Conservative 26; Mismatches 86; Indels 46; Gaps 11;

QY 22 LINGQLPPGKPIFKCRSPNKET---FTCWWRPGTD---GGLPTNYSLYTHREGTLMH--- 73  
Db 711 VTGETTSPPLVATSESVTEITASSFVSVMSASDTVSGFRVEYELS--EEGDEPQYLDL 768  
QY 74 -----ECPDYITGGPNSCHFGKQYTSMTWRTYIMMNVATOMGSSFSDELYVDVTVYVQ 126  
Db 769 PSTATSVNIPDLLPG-----RKYL--VNVYQISEDEGQSILSTSQTTAP 811  
QY 127 DPPLLEAVEVKQPEDRKPYLWIKWSPPTLIDLKGTWFTLLYEIRLKP--KAAEWEIHFG 185  
Db 812 DAPPDPTVD--QVDDTS--IVRMSRQA--PITG-----YRIVSFSVEGSGSTELNLP 860  
QY 186 QOTEFKILSLHFGKQYLVQV 205  
Db 861 TANSVTLSDLQPGVQYNNITI 880

## RESULT 10

PCT-US04-31524-373  
; Sequence 373, Application PC/TUS0431524  
; GENERAL INFORMATION:  
; APPLICANT: Dana-Farber Cancer Institute, Inc., et al.  
; TITLE OF INVENTION: METHODS TO DETECT LINEAGE-SPECIFIC CELLS  
; FILE REFERENCE: DFN-054PC  
; CURRENT APPLICATION NUMBER: PCT/US04/31524  
; CURRENT FILING DATE: 2004-10-01  
; PRIOR APPLICATION NUMBER: 60/506221  
; PRIOR FILING DATE: 2003-09-25  
; PRIOR APPLICATION NUMBER: 60/509594  
; PRIOR FILING DATE: 2003-10-08  
; NUMBER OF SEQ ID NOS: 381  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 373  
; LENGTH: 2476  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
PCT-US04-31524-373

Query Match 6.3%; Score 73; DB 1; Length 2476;  
Best Local Similarity 21.0%; Pred. No. 13;

Matches 42; Conservative 26; Mismatches 86; Indels 46; Gaps 11;  
QY 22 LINGQLPPGKPIFKCRSPNKET---FTCWWRPGTD---GGLPTNYSLYTHREGTLMH--- 73  
Db 710 VTGETTSPPLVATSESVTEITASSFVSVMSASDTVSGFRVEYELS--EEGDEPQYLDL 767  
QY 74 -----ECPDYITGGPNSCHFGKQYTSMTWRTYIMMNVATOMGSSFSDELYVDVTVYVQ 126  
Db 768 PSTATSVNIPDLLPG-----RKYL--VNVYQISEDEGQSILSTSQTTAP 810  
QY 127 DPPLLEAVEVKQPEDRKPYLWIKWSPPTLIDLKGTWFTLLYEIRLKP--KAAEWEIHFG 185  
Db 811 DAPPDPTVD--QVDDTS--IVRMSRQA--PITG-----YRIVSFSVEGSGSTELNLP 859  
QY 186 QOTEFKILSLHFGKQYLVQV 205  
Db 860 TANSVTLSDLQPGVQYNNITI 879

## RESULT 11

US-10-955-952-70  
; Sequence 70, Application US/10955952  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: DeForge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tumas, Daniel  
; APPLICANT: Watanabe, Colin K  
; APPLICANT: Wood, William  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3330R1C12  
; CURRENT APPLICATION NUMBER: US/10/955,952  
; CURRENT FILING DATE: 2004-09-29  
; PRIOR APPLICATION NUMBER: US/10/121,058  
; PRIOR FILING DATE: 2002-04-12  
; PRIOR APPLICATION NUMBER: 60/049911  
; PRIOR FILING DATE: 1997-06-18  
; PRIOR APPLICATION NUMBER: 60/056974  
; PRIOR FILING DATE: 1997-08-26  
; PRIOR APPLICATION NUMBER: 60/059113  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059115  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059117  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059122  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059184  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18  
; PRIOR APPLICATION NUMBER: 60/059352  
; PRIOR FILING DATE: 1997-09-19  
; Remaining Prior Application data removed - See File Wrapper or PALM.  
; NUMBER OF SEQ ID NOS: 550  
; SEQ ID NO 70  
; LENGTH: 625  
; TYPE: PRT  
; ORGANISM: Homo sapien  
US-10-955-952-70

```
Query Match      6.2%; Score 72.5; DB 6; Length 625;
Best Local Similarity 25.5%; Pred. No. 2, 7;
Matches 24; Conservative 19; Mismatches 30; Indels 21; Gaps 5;

QY 131 ELAVEVKQED-----RXPY-----LWKNSPPTLIDLKTG-----WFTLLYEIRLK 172
Db 260 EYELEVKRVQDLSIERKFPQVSNIOARAVLSWAPP--VGLSCGPHSGLGFPYSYEVALS 317
QY 173 PE-KAAWEIHFAGQOTEFKILSLHPGOKYLVOV 205
Db 318 DKGRDCKYKLIYSGEELECNLKDLPATDYHVRV 351

RESULT 12
US-10-948-716-5
; Sequence 5, Application US/10948716
; GENERAL INFORMATION:
; APPLICANT: Agilent Technologies, Inc.
; APPLICANT: Beng, David X
; TITLE OF INVENTION: BIOLOGICAL MARKER FOR INFLAMMATION
; FILE REFERENCE: 10041050-1
; CURRENT APPLICATION NUMBER: US/10/948,716
; CURRENT FILING DATE: 2004-09-23
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 5
; LENGTH: 335
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-948-716-5

Query Match      5.9%; Score 68.5; DB 6; Length 335;
Best Local Similarity 21.9%; Pred. No. 2, 9;
Matches 41; Conservative 15; Mismatches 52; Indels 79; Gaps 11;

QY 11 FTLLFLNT-----CLNGQLPPGKPEI--FKCRSPNKETFT-CWRPG-----51
Db 138 FTFNLVYKLPKPYITINNSKRENXLVLAFTC-EKSENYYTIWMLNGQSLPVSPRVKQP 196
QY 52 -----TDGG-----LPTNY-SLTVHREGT 70
Db 197 IENRIILPSVTNETPGVECEIRDGMHSDPVLNLVGPDLPSIYPSFTYRSGEN 256
QY 71 LMHECPDYTGPNNSCHF-----GK-----QYTSMMR-TYIMVNATQMGSSFSFD 114
Db 257 LYLSC--FAENPPABYFTWINGKFGQSGQKLSIPQITTKRGLYTCSVRNSATGKSSK 314
QY 115 ELYVDVT 121
Db 315 SMTVEVS 321

RESULT 13
US-10-953-264-27
; Sequence 27, Application US/10953264
; GENERAL INFORMATION:
; APPLICANT: GRETCHEN FRANTZ
; APPLICANT: PAUL POLAKIS
; APPLICANT: SUSAN D. SPENCER
; APPLICANT: THOMAS D. WU
; APPLICANT: ZEMIN ZHANG
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
; TITLE OF INVENTION: TREATMENT OF TUMOR
; FILE REFERENCE: P5023R1-US
; CURRENT APPLICATION NUMBER: US/10/953,264
; CURRENT FILING DATE: 2004-09-29
; PRIOR APPLICATION NUMBER: US/10/411,010
; PRIOR FILING DATE: 2003-04-10
; PRIOR APPLICATION NUMBER: US 60/404,809
; PRIOR FILING DATE: 2002-08-19
; PRIOR APPLICATION NUMBER: US 60/378,885
; PRIOR FILING DATE: 2002-05-05
; PRIOR APPLICATION NUMBER: US 60/373,160
; PRIOR FILING DATE: 2002-04-16
; NUMBER OF SEQ ID NOS: 32
; SEQ ID NO 28
; LENGTH: 525
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-953-264-28

Query Match      5.8%; Score 68; DB 6; Length 525;
Best Local Similarity 22.2%; Pred. No. 5, 6;
Matches 43; Conservative 17; Mismatches 74; Indels 60; Gaps 9;

QY 27 PPGKPE-----IFKC--RSPNKETFTCWRPGTGGGLPTNYSLTYYHREGTLMHECPDYI 79
Db 175 PPGSLRASDWMILNCSFSPRDPASVHFRNRGQGVPRVRESPHHLLAESFLFLPQVSPM 234
QY 80 TGGPNSCHFGQYTSMWRTY-----IMVNATQMGSSFSDELVDVTVYVQDPDPLE-- 131
Db 235 DSGPWGCIL-----TYRDGFNVSIMYNTLVG-----LEPPTPLTVY 271
QY 132 -----LAVEVKQPEDRKPYLWKNSPP-----TLIDLKTGFTLLYIRLKPKEAAE 178
Db 272 AGAGSRVGLPCRLPAGVGTSTRSFLTAKWTPGGGPDLLVTGNGDFTL-----RLIEDVSQAQ 327
QY 179 -----WEIHFAGQQ 187
Db 328 AGTYTCHILQEQQ 341

RESULT 14
US-10-953-264-28
; Sequence 28, Application US/10953264
; GENERAL INFORMATION:
; APPLICANT: GRETCHEN FRANTZ
; APPLICANT: PAUL POLAKIS
; APPLICANT: SUSAN D. SPENCER
; APPLICANT: THOMAS D. WU
; APPLICANT: ZEMIN ZHANG
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
; TITLE OF INVENTION: TREATMENT OF TUMOR
; FILE REFERENCE: P5023R1-US
; CURRENT APPLICATION NUMBER: US/10/953,264
; CURRENT FILING DATE: 2004-09-29
; PRIOR APPLICATION NUMBER: US/10/411,010
; PRIOR FILING DATE: 2003-04-10
; PRIOR APPLICATION NUMBER: US 60/404,809
; PRIOR FILING DATE: 2002-08-19
; PRIOR APPLICATION NUMBER: US 60/378,885
; PRIOR FILING DATE: 2002-05-05
; PRIOR APPLICATION NUMBER: US 60/373,160
; PRIOR FILING DATE: 2002-04-16
; NUMBER OF SEQ ID NOS: 32
; SEQ ID NO 28
; LENGTH: 525
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-953-264-28

Query Match      5.8%; Score 68; DB 6; Length 525;
Best Local Similarity 22.2%; Pred. No. 5, 6;
Matches 43; Conservative 17; Mismatches 74; Indels 60; Gaps 9;

QY 27 PPGKPE-----IFKC--RSPNKETFTCWRPGTGGGLPTNYSLTYYHREGTLMHECPDYI 79
Db 175 PPGSLRASDWMILNCSFSPRDPASVHFRNRGQGVPRVRESPHHLLAESFLFLPQVSPM 234
QY 80 TGGPNSCHFGQYTSMWRTY-----IMVNATQMGSSFSDELVDVTVYVQDPDPLE-- 131
Db 235 DSGPWGCIL-----TYRDGFNVSIMYNTLVG-----LEPPTPLTVY 271
QY 132 -----LAVEVKQPEDRKPYLWKNSPP-----TLIDLKTGFTLLYIRLKPKEAAE 178
Db 272 AGAGSRVGLPCRLPAGVGTSTRSFLTAKWTPGGGPDLLVTGNGDFTL-----RLIEDVSQAQ 327
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QY 179 -----WEHIFAGQO 187  
 Db 328 AGTYTCHIHLEQQ 341

RESULT 15  
 US-10-765-727-23  
 ; Sequence 23, Application US/10765727  
 ; GENERAL INFORMATION:  
 ; APPLICANT: BODMER, MARK WILLIAM  
 ; APPLICANT: BRIEND, EMMANUEL CYRILLE PASCAL  
 ; APPLICANT: CHAMPION, BRIAN ROBERT  
 ; APPLICANT: YOUNG, LESLEY LYNN  
 ; TITLE OF INVENTION: MODULATORS OF NOTCH SIGNALLING FOR USE IN IMMUNOTHERAPY  
 ; FILE REFERENCE: 674525-2010  
 ; CURRENT APPLICATION NUMBER: US/10/765,727  
 ; CURRENT FILING DATE: 2004-01-23  
 ; PRIOR APPLICATION NUMBER: PCT/GB02/03426  
 ; PRIOR FILING DATE: 2002-07-25  
 ; PRIOR APPLICATION NUMBER: GB 0118153.6  
 ; PRIOR FILING DATE: 2001-07-25  
 ; PRIOR APPLICATION NUMBER: GB 0207930.9  
 ; PRIOR FILING DATE: 2002-04-05  
 ; PRIOR APPLICATION NUMBER: GB 0212282.8  
 ; PRIOR FILING DATE: 2002-05-28  
 ; PRIOR APPLICATION NUMBER: GB 0212283.6  
 ; PRIOR FILING DATE: 2002-05-28  
 ; NUMBER OF SEQ ID NOS: 40  
 ; SOFTWARE: PatentIn Ver. 3.2  
 ; SEQ ID NO 23  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-765-727-23

\* Query Match 5.8%; Score 68; DB 6; Length 2471;  
 Best Local Similarity 32.2%; Pred No. 39;  
 Matches 19; Conservative 9; Mismatches 17; Indels 14; Gaps 3;

QY 36 CR-SPKETFTCWHPGTDGGLPT-----NYSLYHREGETLMHECPDYITG 81  
 Db 848 CKESPNEFESYTCLCAPGWGQRCITIDICISKPCMHGLCHNTQG-SYMCPCPPGFSG 905

Search completed: October 18, 2004, 14:57:37  
 Job time : 9 secs